Medical College of Georgia

Catalog 1973-74

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General Information

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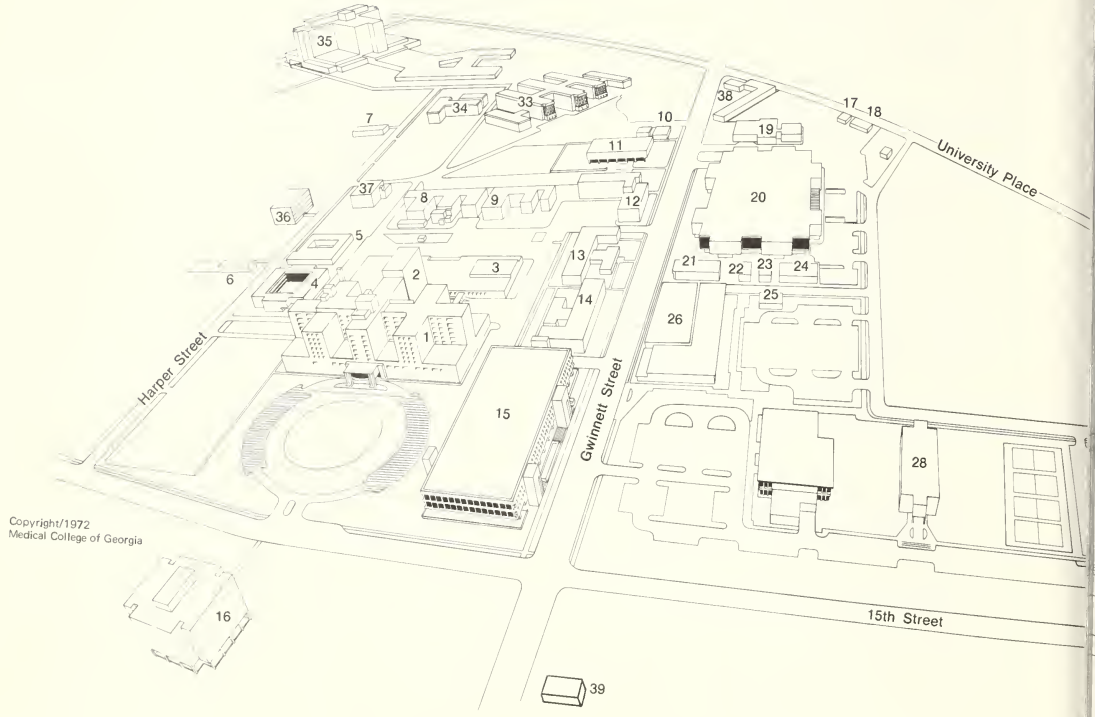
Augusta/MCG Vicinity



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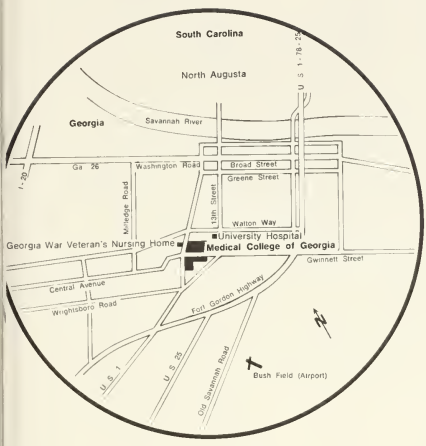
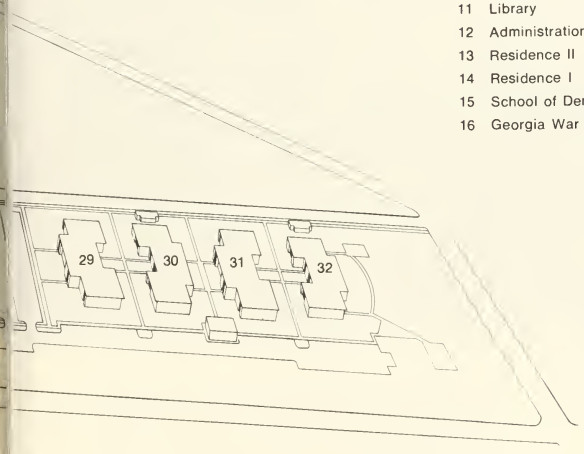


Map Key

1 Teaching Hospital & Clinics
2 Research Wing
3 Educational Building
4 Residence III
5 School of Nursing
6 Perkins Building
7 Marks Building
8 Dugas Building
9 Murphey Building
10 Protein Chemistry Laboratory
(Sickle Cell Administration)
11 Library
12 Administration Building
13 Residence II
14 Residence I
15 School of Dentistry
16 Georgia War Veterans Nursing Home
17 Physical Therapy
18 Special Curriculum Building
19 Dermatology/Endocrinology
20 Research and Education Building
21 Rinker Building (Ob-Gyn Outpatient)
22 Ob-Gyn Ambulant Unit
23 Pediatric Health Clinic (C&Y)
24 Dental Clinic
25 Personnel Building
26 Outpatient Clinics
27 Student Center
28 Residence IV
29 Residence V-A
30 Residence V-B
31 Residence V-C
32 Residence V-D
33 Old University Hospital
34 Old University Annex
35 University Hospital
36 Medical Arts Building
37 Richmond County Public Health
38 University Motel
39 Sickle Cell Center



A History of the Medical College of Georgia

The College, founded in 1828 as a Medical Academy authorized to grant the Bachelor of Medicine degree, was Georgia's first school of medicine. It is the 21st oldest among existing U.S. medical schools. Today, MCG remains the State's primary facility for the education of health professionals, and serves the State and region as a health sciences university.

The original charter for the institution was obtained from the General Assembly of Georgia in 1822, following efforts of a group of physicians in the Medical Society of Augusta. Among the leaders of this group were Drs. Milton Antony and Joseph Adams Eve. These two founding physicians had begun teaching apprentices in 1826, in two rooms of the old Augusta City Hospital.

The Charter of 1828 was altered in 1829 to allow the conferring of the Doctor of Medicine degree, and the name of the Academy was changed to Medical Institute of Georgia. In 1833, at the institution's first commencement exercises, four students received degrees.

The same year, the name of the institution was changed again, this time to Medical College of Georgia.

In 1835, students and faculty of the Medical College moved from City Hospital into a new building at the corner of Telfair and Sixth Streets in Augusta. This columned, Greek Revival structure still stands, though long-outgrown by its first tenants. It is used today as headquarters for the Augusta Council of Garden Clubs.

The College operated practically as usual until the eve of the Civil War. Lectures were concluded early in 1861, following secession of Georgia from the Union, and 35 candidates were graduated—presumably to take part in the four-years-long conflict between the states.

The College had little history as an institution during the Civil War, and did not resume regular lectures until November 6, 1865. Forty-seven students, most of whom were war veterans, enrolled that winter.

Another name change came to the institution in 1873, when the College was joined with the University of Georgia and became known as the Medical Department of the University.

In 1931 a University System of Georgia with a Board of Regents was organized as a constitutional entity in Georgia.

In 1950 the status of the medical school changed again and the name Medical College of Georgia was restored. Concurrently, MCG became a unit of the University System independent of the University of Georgia, with administrative authority delegated to the College President.

Since that time MCG has grown into more than a medical school. Now, in addition to the School of Medicine, the College operates a School of Graduate Studies, organized in 1951; a School of Nursing, transferred to Augusta from the University in 1956; a School of Allied Health Sciences organized in 1968, and a School of Dentistry, which accepted its first students in 1969.

MCG is now a vital and growing institution, advancing along broad fronts to help meet the health care needs of nearly five million Georgians. The institution has a student body that is growing at a rapid rate, and a dedicated faculty undergoing commensurate growth.

The University System

The University System of Georgia was established in 1931 when control and operational authority over state-aided schools of higher learning were vested in the University System Board of Regents, a constitutional body appointed by the Governor and approved by the Senate. There are fifteen Regents, all serving terms of seven years. Members of the Board are appointed from each of the state's Congressional Districts and the remainder from the state-at-large. The Regents select their own officers and appoint a chancellor as chief administrator of the University System. The system consists of 30 institutions including the Medical College of Georgia.

Degrees Offered

The following degrees and certificates are granted by the College through its schools:

School of Medicine
The Doctor of Medicine degree.

School of Dentistry
The Doctor of Dental Medicine degree.

School of Graduate Studies
The Doctor of Philosophy degree, the Master of Science degree, the Master of Science in Medical Illustration degree, the Master of Science in Oral Biology degree, the Doctor of Philosophy-Doctor of Medicine degree, and the Master of Science-Doctor of Medicine degree.

School of Nursing
The Bachelor of Science in Nursing degree and the Master of Science in Nursing degree.

School of Allied Health Sciences:
Dental Hygiene—Bachelor of Science degree.
Medical Illustration—Bachelor of Science degree.
Medical Record Administration—Bachelor of Science degree.
Medical Technology—Bachelor of Science degree.
Occupational Therapy—Bachelor of Science degree.
Physician's Assistant—Bachelor of Science degree.
Physical Therapy—Bachelor of Science degree.
Radiologic Technology—Bachelor of Science degree and Associate of Science degree.

Facilities For Instruction

The College campus, situated in the approximate center of Augusta, is convenient to the downtown business district. The locations of the College's various facilities are shown on the campus map.

Research and Education Building

The Research and Education Building is a modern facility containing classrooms, basic science laboratories, faculty offices, the electron microscopes, television services, and similar activities related to the instructional program. The Research and Education Building is the largest instructional building in the University System of Georgia, with 303,424 square feet of floor space. The building is used primarily for research and instruction in the basic medical and dental sciences.

Eugene Talmadge Memorial Hospital

The hospital is an integral part of the Medical College, contributing teaching and clinical research facilities for both faculty and students. It contains approximately 450 active teaching beds with supporting x-ray, laboratory, physical medicine, surgery and dietary facilities.

The clinical, teaching and research facilities are utilized for the benefit of students in Medicine, Nursing, Medical Record Administration, Medical Technology, Medical Illustration, Physical Therapy, Occupational Therapy, Radiologic Technology, Physician Assistant and in the sciences basic to medicine and dentistry.

Clinical Research Annex

The Research Annex is a ten-story facility adjoined to Talmadge Hospital that contains special laboratories for research in the medical sciences.

The School of Dentistry Building

This facility is one of the most modern and effectively designed buildings for dental education in the United States. The building contains operatories, laboratories, clinics, classrooms, seminar rooms, and faculty offices geared toward the clinical education of dental students and research in clinical dentistry.

Library

The Library, a section of the Division of Health Communications, is housed in a modern two-story building, completed in 1965. Each floor has open stacks and reading areas. There are individual carrels, small-group study rooms, two large conference rooms, and an audio-visual viewing room equipped with a wide variety of audio-visual formats available for student use. Approximately 1,500 periodicals and other serials are received annually and the holdings consist of more than 80,000 books and bound journals. An active inter-library loan service is maintained, using a teletype system. The most recent service is MEDLINE, a computerized medical literature analysis and retrieval system connected with the National Library of Medicine.

Animal Care Facility

This facility is a modern building complex located south of Augusta for housing and care of all species of animals used for teaching and research at the Medical College.

University Hospital

This is the Richmond County/ Augusta hospital with a long tradition of medical education, and is an excellent facility currently being utilized for medical student education in required clerkships and elective courses. As an integral member of the College Affiliated Hospitals Programs, the University Hospital is utilized for house staff training in internal medicine, pediatrics, surgery and obstetrics and gynecology. A nucleus of full time faculty at University Hospital working closely with the private physicians of the community and with the staff of the Eugene Talmadge Memorial Hospital provides the supervision and teaching of medical students and house staff at University Hospital.

Veterans Administration Hospital

As an integral member of the College Affiliated Hospitals Programs, the Veterans Administration Hospital serves as an excellent facility for medical education of students and house staff. An important and enlarging component of the full time faculty situated at the Veterans Administration Hospital supervises patient care and the education of house staff, as well as the education of medical students in required clerkships and elective programs.

Gracewood State School and Hospital

The facilities and patients of this state institution are available for clerkships and clinical demonstrations of neurologic, biochemical, and genetic disorders. It is located on the outskirts of Augusta.

Other Facilities

Other facilities for classroom, laboratory and/or clinical instruction are the Murphey Building, Dugas Building, and the Educational Building Annex to Talmadge Hospital.

Administrative and service offices can be found in the School of Nursing Building, Residence III (administrative offices), the Administration Building (offices for the President, Provost, Dean of Medicine, Business Affairs, Registrar, Undergraduate Admissions and Institutional Relations), the Student Center (Student Affairs offices, Student Government office, Book Store, cafeteria, snack bar, and recreational facilities), and Residences I, II, IV and V (student residences).

Additional clinics and offices are located in the Marks Building, the Perkins Building (Respiratory Diseases Clinic), the Endocrinology and Dermatology Building, the Protein Chemistry and Sickle Cell Center, the Rinker Building (OB-GYN Clinic), the Children and Youth Clinic, the Talmadge Hospital Outpatient Clinic, and the Administration Annex (Personnel).

Admission Requirements

Admission requirements and application procedures, including information pertaining to application forms, physical examinations, personal interviews, and pre-entrance testing, are listed within each school's section of this Catalog.

The College is an equal educational opportunity institution in that no person shall, on the ground of race, color, creed, or national origin, be excluded from participation in, or be otherwise subjected to discrimination in any educational program, activity, or facility.

Transfer Credit

A maximum of 95 academic quarter hours from a junior college, or 141 hours from a senior college or other educational institution may be transferred into an undergraduate program. See the "Scholarship and Promotion" statement under Graduation Requirements.

Courses and credits transferable to an undergraduate curriculum from other colleges or universities must have an over-all grade average acceptable to the College, but in no case less than a "C". College credit will not be allowed for remedial courses or other such courses that are basically of secondary school level.

At the discretion of the appropriate Academic Dean, a student transferring into professional curricula from non-collegiate institutions may be required to have professional course work validated by standardized examinations in order to gain advanced standing and receive college credit for such course work. An application for the School of Medicine will not be considered from a student who is not in good standing at the institution he has attended previously.

An applicant who wishes to transfer to the College must submit official transcripts of all course work attempted at every institution of higher education at which they have ever enrolled. Such transcripts must be sent by the Registrar at each previously attended institution, and in accordance with instructions sent the applicant with application materials. Transcripts sent by the applicant, or transcripts without an official seal and Registrar's signature, will not be accepted.

Correspondence courses are discouraged. The total number of hours that may be earned toward a degree by either extension or correspondence courses, or both, shall not exceed one-fourth of the total credit hours required for a degree. Credit from correspondence courses and/or extension courses are subject to validation to the satisfaction of the Dean of the School concerned.

Any credit which is more than ten years old is subject to validation to the satisfaction of the Dean of the School concerned.

Credits from unaccredited institutions are subject to validation to the satisfaction of the Dean of the School concerned.

Academic Regulations

Units of Credit

The unit of credit is the quarter hour. A quarter hour equals one hour of class work per week for one quarter, or its equivalent in other forms of instruction. Credit given for particular courses is as stated in the curriculum sections of this Catalog, or as defined at the time of registration by the various Schools.

Course Numbering System

The College offers courses numbered 100 to 299 to students in the Lower Division of undergraduate schools, and courses numbered 300 to 499 to students in the Upper Division of undergraduate schools. In the School of Graduate Studies, courses are numbered from 600 to 999. Certain courses are offered to undergraduate, graduate, and professional students jointly. Such courses are numbered appropriately for each class and degree program.
Courses in the Schools of Medicine and Dentistry are numbered from 500 to 599.

Classification of Students

The classification under which a student registers at the beginning of each academic quarter will continue throughout the academic quarter.

Grades

The grading system for the Medical College is as follows:

A = 4.0
B = 3.0
C = 2.0
D = 1.0
F = 0

Additional information regarding grades may be found in each School's section of this Catalog.

Grade Changes

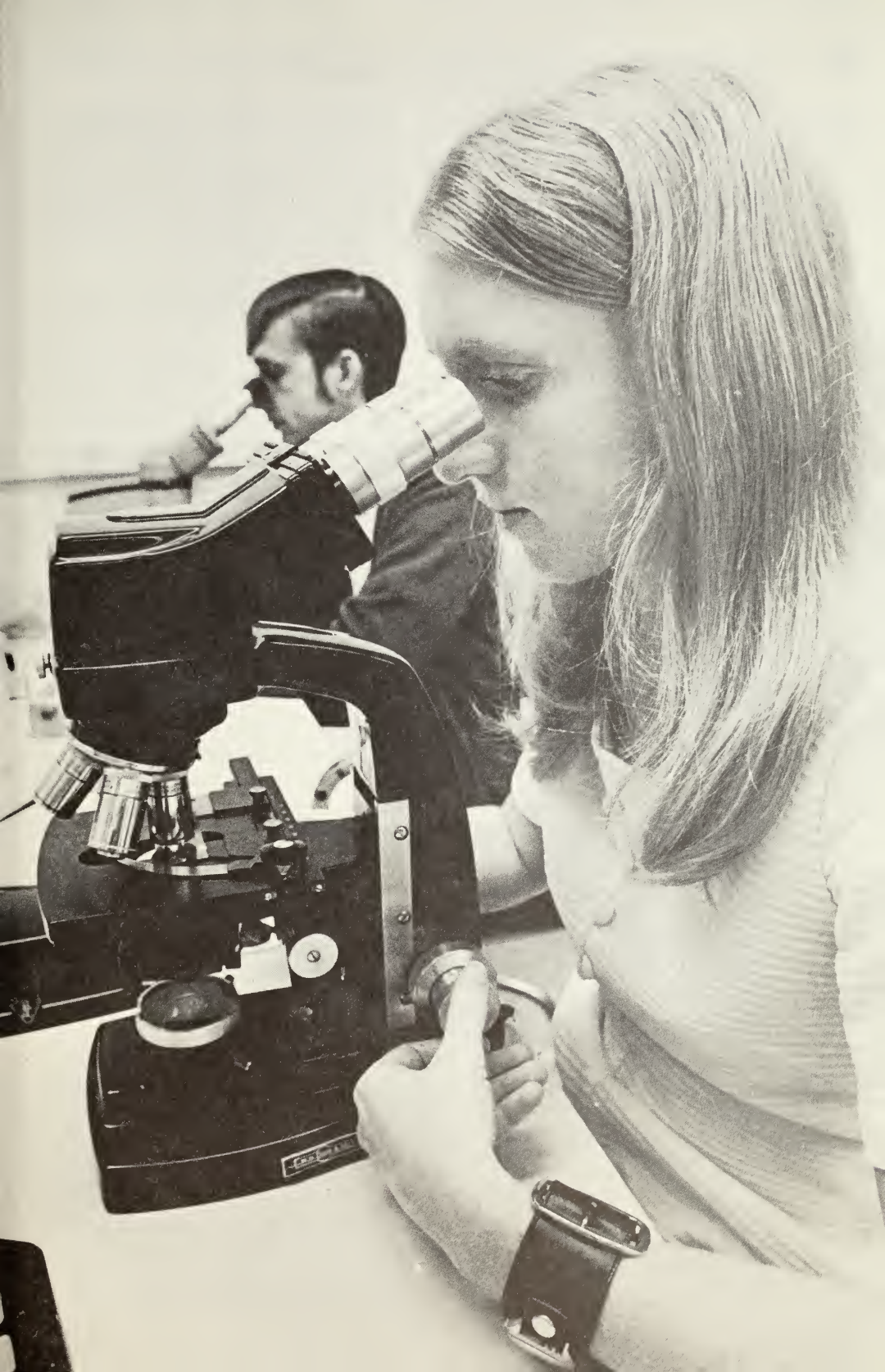
Any grade changes due to errors in reporting must be brought to the attention of the Registrar's office within three months of the time reported.
Incomplete grades which have not been made up will be changed to failing grades after one quarter. Requests for exception to this rule must be submitted in writing to the Registrar's office, with signed approval of the instructor and Dean.

Repeated Coursework

By registering for a course for which credit has already been received by transfer or residence work, a student forfeits credit in the previous course. The final grade will be the grade on the repeated course.

Registration

Registration must be completed on the dates stated in the academic calendar. Registration procedures are the responsibility of the Registrar. Notification of these procedures will be sent to all students at the appropriate time.



Changes in Course Schedules

Changes in a student's schedule of courses following registration can only be made with the approval of the Dean of the School in which the student is enrolled, and the Registrar.

Adding Courses

Additions to a student's course schedule will not be allowed after the deadline for adding courses set forth in the academic calendar.

Dropping Courses

A course may be dropped without penalty up to the dates set forth in the academic calendar (usually mid-term). Following this deadline, a student dropping a course will receive either a WP (Withdrew Passing) or a WF (Withdrew Failing). WF grades will be treated as F grades for grade point calculations.

Auditors

Regularly enrolled Medical College students may register for courses as auditors. No academic credit shall be awarded to students enrolled on this basis. After the last day for registration, no changes from an audit basis to credit or from credit to audit will be permitted. Students auditing courses will be required to pay the regular fees for enrollment. (See the "Fees" section of this Catalog.)

Attendance

Regular and punctual attendance is expected of students in all classes, and is counted from the first class meeting each term. Students who incur an excessive number of absences are subject to academic penalty.

Normal Course Load

The normal course load may vary with the several degree programs. Students may be required to register for a course load less than the normal course load if this action is determined to be advisable in the light of the student's academic standing or for other reasons. A student who in any quarter registers for less than 12 quarter hours is considered a part-time student; a student who registers for 12 or more hours is considered a full-time student. No student of the School of Graduate Studies, or the undergraduate curricula, may register without special approval from his Dean for more than 21 quarter hours (including audit courses) in any given academic quarter.

Planning the Academic Program

The academic program of each student should be planned in consultation with their academic advisor, major professor, or other person as designated by the Dean of the School concerned.

Withdrawal from the College

A student who wishes to withdraw must report to the Registrar to obtain and complete withdrawal procedures outlined in the Withdrawal Form. The official records of a student who does not officially withdraw from the institution will not be released until the appropriate withdrawal procedures have been completed.

Non-Continuous Matriculation

Normally a student may be permitted to graduate under academic provisions of the catalog in effect at the time of his first matriculation. A student may choose to graduate under the provisions of a subsequent catalog. A student who returns to one of the undergraduate programs, or to the School of Graduate Studies, after an absence of two or more years will be required to meet the degree provisions of the catalog current on his return, along with such other regulations as may be in effect at the time.

Examinations

A student may be required to perform acceptably on any examination before graduation as deemed appropriate by the academic deans, President, and/or Board of Regents.

Requirements for Graduation

Requirements for Graduate and Professional Degrees

Requirements for graduate and professional degrees are stated in this Catalog under the listings for the School of Medicine, School of Dentistry, School of Graduate Studies, and the School of Nursing.

Requirements for Associate and Baccalaureate Degrees

Requirements in addition to those listed below for associate and baccalaureate degrees are stated in this Catalog under the listings for the School of Allied Health Sciences and the School of Nursing.

1. Recommendation by Faculty

It is implicit in the requirements for all degrees conferred by the College that the faculty of each school recommend each candidate for a degree as having met all requirements for the degree to be conferred.

2. Residence Requirements

Every candidate for a baccalaureate or associate degree at the Medical College of Georgia must take a minimum of 45 quarter hours in residence.

3. Total Credit Requirements

A minimum of 180 quarter hours (excluding physical education) is required for a baccalaureate degree, and a minimum of 90 quarter hours (excluding physical education) is required for an associate degree.

4. Examinations on the History and Constitutions of the United States, and Georgia

Examinations on these subjects are required of all baccalaureate and associate degree students unless exempted by presentation of course credit dealing with these constitutions and histories. A student is advised to meet this requirement early in his academic career.

5. Scholarship

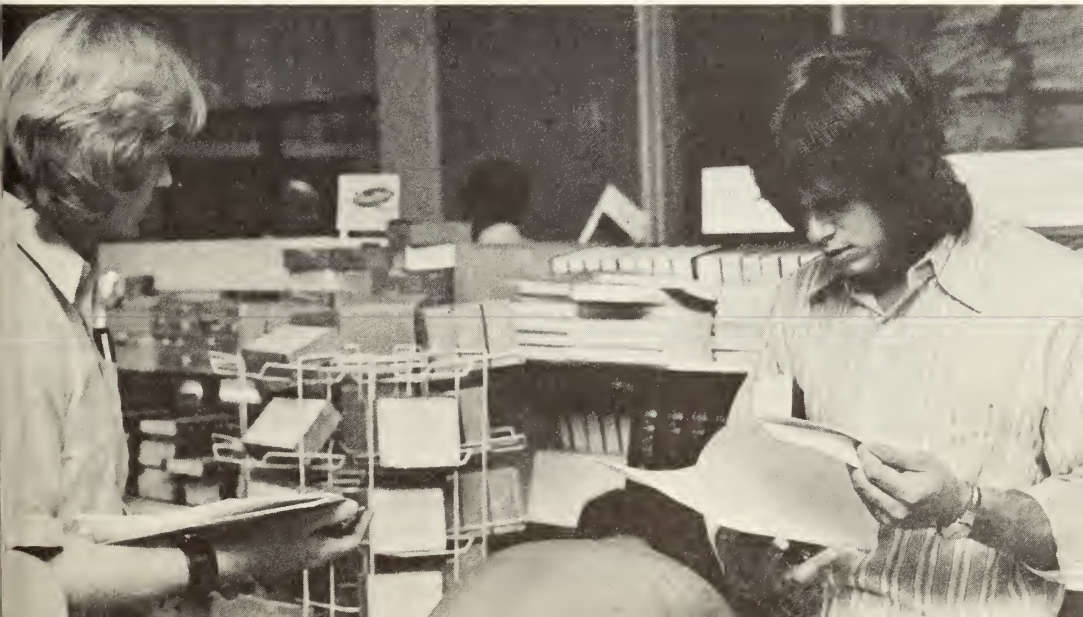
An undergraduate degree shall not be conferred on any person whose overall weighted grade point average (for courses in residence) is less than 2.00. Credit hours in courses with the grade of "D" shall not exceed 20 per cent of the total hours for any degree program. Individual curricula may establish higher standards for achievement, in which case, the higher standards shall apply.

6. Consultation with Dean or Chairman

The candidate for an undergraduate degree must consult with the office of the Registrar and the Dean or Chairman of his program concerning completion of requirements for graduation. This consultation should be done three quarters before the expected date of graduation.

Application for Graduation

Application for graduation must be made by each candidate on a form obtainable from the office of the Registrar. The application form should be completed at least two quarters prior to time of graduation. The candidate for a degree from the College must attend the Commencement exercise at which the degree is to be conferred, unless he is officially excused in writing by the Registrar.



Food Services

The College provides a cafeteria and coffee shop in the Student Center and in Talmadge Hospital.

Housing

The Medical College has limited residence hall and apartment accommodations on the campus for single women, single graduate and professional students, and married students. All accommodations are air conditioned. Rent includes all utilities.

Residence I & II (Single Women)

Single Room $150.00 per quarter
Double Room $110.00 per quarter

Residence IV (Single Graduate and Professional Students)

Double Room
$130.00 per quarter

Residence V (Furnished Married Student Apartments)

One Bedroom $100.00 per month
Two Bedroom $115.00 per month

Deposits and Refunds

A $25.00 Security Deposit is required of all students given a housing assignment. This deposit is retained by the College to cover the cost of any damage to rented facilities. The deposit will be refunded less any deductions if the student notifies the housing office of his or her intent to terminate housing 30 days prior to moving. Failure to give at least 30 days notice will cause forfeiture of the Security Deposit. Housing rental fees will be refunded less rental charges for the time of occupancy. The refund of the Security Deposit and rental fees will be made 3 weeks after terminating housing.

Application Procedures and Information

Graduate and professional students accepted for admission to the College and interested in applying for housing should write the Housing Office, Room 100, Residence II, Medical College of Georgia, Augusta, Georgia 30902. Undergraduate women students accepted for admission will be sent Housing Information by the Office of the Director of Women's Activities.

Off-Campus Housing

Accepted students interested in housing off-campus should write the Housing Office (see address under "Application Procedures and Information") for information about housing in the Augusta community.

Fees

Fees stated below are subject to change without notice. Costs of housing, materials, books, deposits, food, uniforms, instruments, and personal expenses are estimated in each School's section of the Catalog.

Full-Time Graduate and Undergraduate Students

The following general fees are payable at the time of registration for all graduate and undergraduate full-time (12 credit hours or more) regularly enrolled students:

	per quarter
Matriculation Fee	$145.00
Non-resident Fee (in addition to Matriculation Fee)	240.00
Student Health Fee	10.00
Student Activities Fee	10.00

Part-Time Graduate and Undergraduate Students

The following general fees are payable at the time of registration for all graduate and undergraduate part-time (less than 12 credit hours) regularly enrolled students:

	per quarter hour
Matriculation Fee	$12.00
Non-resident Fee (in addition to Matriculation Fee)	20.00
Student Health Fee (only if enrolling for 6 hours or more)	10.00
Student Activities Fee (only if enrolling for 6 hours or more)	10.00

Full-Time Medical and Dental Students

The following general fees are payable at the time of registration for all full-time regularly enrolled Medical and Dental students:

	per quarter
Matriculation Fee	$300.00
Non-resident Fee (in addition to Matriculation Fee)	300.00
Student Health Fee	10.00
Student Activities Fee	10.00

Part-Time Medical and Dental Students

Medical and Dental students enrolled for a part-time course load shall pay fees at the time of registration each quarter in accordance with a fee schedule available in the Registrar's Office and Comptroller's Office.

Audit Fees

Fees for auditing a course are the same as the fees for regular enrollment. (See the Academic Regulations section for policy regulating course audits.)

Acceptance Deposits

All Schools of the Medical College of Georgia require a $50.00 acceptance deposit which will be credited toward first quarter matriculation fees. Applicants accepted for admission will receive full information on this deposit at the time they are notified of their acceptance for admission to a School at the Medical College of Georgia.

Refund of Fees

Students who withdraw from college will receive a refund of matriculation fees at the end of the quarter in which the withdrawal is made. Students who officially withdraw with a clean record within the time specified after the scheduled registration date may receive refunds of matriculation fees as listed:

Time of Withdrawal	Percent Refunded
Not more than one week	80
Not more than two weeks	60
Not more than three weeks	40
Not more than four weeks	20
More than four weeks	0

Student Health and Student Activity fees will not be refunded when withdrawing. The refund of matriculation fees is limited to withdrawal from the Institution and not for dropping of individual courses.

Changes in Fees and Other Charges

All matriculation charges, board, room rent or other charges listed in this catalog are subject to change at the end of any quarter.

Discipline and Appeals

Student discipline at the College is the responsibility of the President and his administrative staff. Students will be expected to act in a manner of credit to themselves and to the institution as outlined in the Student Handbook section on "Student Judiciary Procedures."

Appeals Procedure

When an applicant for admission shall feel that his application has not been given due consideration or when a student shall be expelled or suspended, the applicant or student shall have the right to appeal in accordance with the following procedure:

He shall appeal in writing to the President of the institution within five days after the action of which he complains. The President shall appoint a committee to review all facts and circumstances and shall within fifteen days make a decision which shall be final so far as the institution is concerned.

Should the aggrieved person be dissatisfied with this decision, he shall have the right to appeal in writing to the Board of Regents. An appeal to the Board of Regents shall be submitted in writing to the Executive Secretary of the Board within ten days after the President's decision and shall recite all reasons for dissatisfaction with the previous decision. After thorough investigation, the Board shall make its decision within sixty days. The Board's decision shall be final and binding for all purposes.

Financial Assistance for Students

Because the cost of acquiring an education in the health sciences may prevent many students from beginning or completing their studies, the College has developed a program to assist students in financing their education. The College believes that educational opportunities for qualified students should not be controlled by their financial resources, although realistic financial planning is an essential part of college preparation. In selecting students to receive financial assistance the College places primary emphasis on financial need. Academic achievement and promise, and character are also considered.

The College participates in the College Scholarship Service of the College Entrance Examination Board. The College Scholarship Service assists colleges and universities and other agencies in determining the student's need for financial assistance. Unmarried undergraduate students who are currently receiving support from their parents and who are seeking assistance from the College are required to have their parents submit a copy of the Parents' Confidential Statement form to the College Scholarship Service. All other stu-

dents should instead file the Student Financial Statement with the appropriate office of the College Scholarship Service.

Students desiring more information about financial aid resources should write for the Student Financial Aids Bulletin. This bulletin and an application form on which you may apply for any program that the College administers may be secured by writing the College Financial Aid Office. Information concerning graduate fellowships and assistantships is available from the School of Graduate Studies. Applications for assistance may be submitted to the College prior to official acceptance for enrollment and should be on file by May 1. Later applications will be considered only on a "remaining funds available" basis.

Through funds donated by various individuals and groups the College is able to operate its student loan program. Among the funds that have been established are the following:

Student Loan Fund, established in 1962 by Dr. James Russell Howell.

Eugene E. Murphey Fund, donated by Mr. Byron B. Taggert in honor of Dr. Murphey.

DeLeon Laboratories Fund, donated in 1955 by Mr. Harold Palmer, president of the pharmaceutical firm.

W. K. Kellogg Foundation, the 1942 and 1943 grants which have evolved into a permanent fund.

Carlin Alexander Fund, sponsored by the Phi Rho Sigma Wives Club in memory of a former member.

Medical Dames Student Loan Fund, established in 1964 for the benefit of married students.

Virginia N. Dawkins Loan Fund, established in 1970 for the benefit of medical students.

Georgia Pediatrics Society Loan Fund, established in 1959 and funded annually to benefit the loan program.

Robert C. White Memorial Fund, established in 1968 in memory of this student.

Medical College of Georgia Foundation, Inc., provides funds annually for the student aid program.

Student Health Service

Full information on Student Health service is published in a **Student Handbook** which all students receive upon entrance into the College. The cost of this service is $10 per quarter to all students enrolled for six or more credit hours.

Hospitalization and Life Insurance Protection.

All students of the College may participate in a group hospitalization and life insurance plan. A schedule of benefits and costs is given to each student at the beginning of each year. Current costs are as follows:

Schedule of Benefits and Cost.

Life and Accidental Death and Dismemberment Insurance for you:
Life Insurance $3,000
Accidental Death and Dismemberment Insurance $3,000

(Your monthly contribution is 57 cents or $2.28 per quarter)

Student Health Benefit Program
Details of coverage are available in the **Student Handbook** and in the Student Plan Health Benefit book.)

Cost of Coverage:

	Quarterly	Monthly	Annually
Student only	$28.68	$ 7.17	$ 86.04
Student and dependents	$71.68	$17.92	$215.04

*(One third to be paid at the beginning of the Fall quarter, Winter quarter and the Spring quarter.)

These cost figures are subject to change.

Student Responsibilities and Services

The services available to students, as well as the students' responsibilities are outlined in the **Student Handbook** which is published by the Division of Student Affairs. All students are responsible for knowing its content. Copies are available from the Division of Student Affairs.

Classification of Students As Residents and Non-Residents

1. A student who is under 18 years of age at the time he seeks to register or re-register at the beginning of any quarter will be accepted as a resident student only upon a showing by him that his supporting parent or guardian has been legally domiciled in Georgia for a period of at least twelve months immediately preceding the date of registration or re-registration.

2. In the event that a legal resident of Georgia is appointed as guardian of a non-resident minor, such minor will not be permitted to register as a resident student until the expiration of one year from the date of appointment, and then only upon proper showing that such appointment was not made to avoid payment of the non-resident fee.

3. If a student is over 18 years of age, he may register as a resident student only upon a showing that he has been domiciled in Georgia for at least twelve months prior to the registration date.

   Any period of time during which a person is enrolled as a student in any educational institution in Georgia may not be counted as a part of the twelve months domicile and residence herein required when it appears that the student came into the State and remained in the State for the primary purpose of attending a school.

4. A full-time faculty member of the University System, his or her spouse, and minor children may register on the payment of resident fees, even though such faculty member has not been a resident in Georgia for twelve months.

5. If the parents or legal guardian of a minor changes residence to another state following a period of residence in Georgia, the minor may continue to take courses for a period of twelve consecutive months on the payment of resident fees. After the expiration of the twelve months' period the student may continue his registration only upon the payment of fees at the non-resident rate.

6. Military personnel and their dependents may become eligible to enroll in institutions of the University System as resident students provided they file with the institution in which they wish to enroll the following:

   (a) A statement from the appropriate military official showing that the applicant's "home of record" is the State of Georgia; and
   (b) Evidence that applicant is registered to vote in Georgia; or
   (c) Evidence that applicant, if under 18 years of age, is the child of parents who are registered to vote in Georgia; and
   (d) Evidence that applicant, or his supporting parent or guardian, filed a Georgia State income tax return during the preceding year.

7. Foreign students who attend institutions of the University System under sponsorship of civic or religious groups located in this state, may be enrolled upon the payment of resident fees, provided the number of such foreign students in any one institution does not exceed the quota approved by the Board of Regents for that institution.

8. All aliens shall be classified as non-resident students; provided, however, that an alien who is living in this country under a visa permitting permanent residence or who has filed with the proper federal immigration authorities a Declaration of Intention to become a citizen of the United States shall have the same privilege of qualifying for resident status for fee purposes as a citizen of the United States.

9. Teachers in the public schools of Georgia and their dependents may enroll as students in the University System institutions on the payment of resident fees, when it appears that such teachers have resided in Georgia for nine months, that they were engaged in teaching during such nine months' period, and that they have been employed to teach in Georgia during the ensuing school year.

10. If a woman who is a resident of Georgia and who is a student in an institution of the University System marries a non-resident of the State, she may continue to attend the institution on payment of resident fees, provided that her enrollment is continuous.

11. If a woman who is a non-resident of Georgia marries a man who is a resident of Georgia, she will not be eligible to register as a resident student in a University System institution until she has been domiciled in the State of Georgia for a period of twelve months immediately preceding the date of registration.

12. Non-resident graduate students who hold assistantships requiring at least one-third time service may register as students in the institution in which they are employed on payment of resident fees.

Illegal use, possession, or distribution of narcotics and/or other dangerous drugs.

The following statement of policy is designed to emphasize, in fairness to all members of the College community, the serious and dangerous consequences resulting from the illegal use, possession or distribution of marijuana, lysergic acid diethylamide (LSD), or other mind-altering drugs, and the unauthorized use of drugs, such as amphetamines, barbiturates, and tranquilizers, which are sometimes prescribed for medical purposes.

While there is admittedly much controversy as to whether or not marijuana should be classified as a narcotic or dangerous drug, the fact remains that the possession or transfer (including gifts) of marijuana and LSD is illegal under both federal and state laws and is punishable under either.

It should be especially noted that "any person who, by himself, agent or through any other person, gives, sells, offers for sale, barters, or exchanges with any person any narcotic in violation of the provisions of said Chapter (79A-8, of the Uniform Drug Act) shall be guilty of a felony and upon the first conviction thereof shall be punished by imprisonment in the penitentiary for not less than five nor more than ten years." The penalty for subsequent offenses is a felony punishable by imprisonment for a period of not less than ten and not more than twenty years with possible life sentence at the discretion of the judge.

Agents of the federal and state governments are engaged in intensive and thorough investigation on a continuing basis throughout the State. The law requires that when a felony is committed the civil authorities shall handle the situation rather than College authorities. Technically the law would say that failure to do so would involve compounding a felony.

Under such circumstances it is clear that the policy of the College must be: "Students involved in civil and criminal offenses will be treated as citizens of the community."

Clearly, the College cannot protect members of its community who commit such offenses. In "Student Freedoms and Responsibilities: A Working Paper," published by the American Association of State Colleges and Universities, it is pointed out that "Students should not expect that university officials will come to their defense for activities committed in violation of civil codes." It ought to be added that this applies to *all* members of the College community.

It should not be inferred from this that the College is indifferent about what happens to members of its community; rather, it has a deep concern for those who may find themselves in violation of the law. It is believed that some may not fully recognize the implications of full accountability and responsibility with regard to drugs, and it is for this reason that this statement is being made.

Cultural and Social Activities

The City of Augusta has a wide variety of cultural and social activities available for students, faculty and staff of the College.

As the "Winter Golf Capital of the World," the city is host each year to the international Masters Golf Tournament.

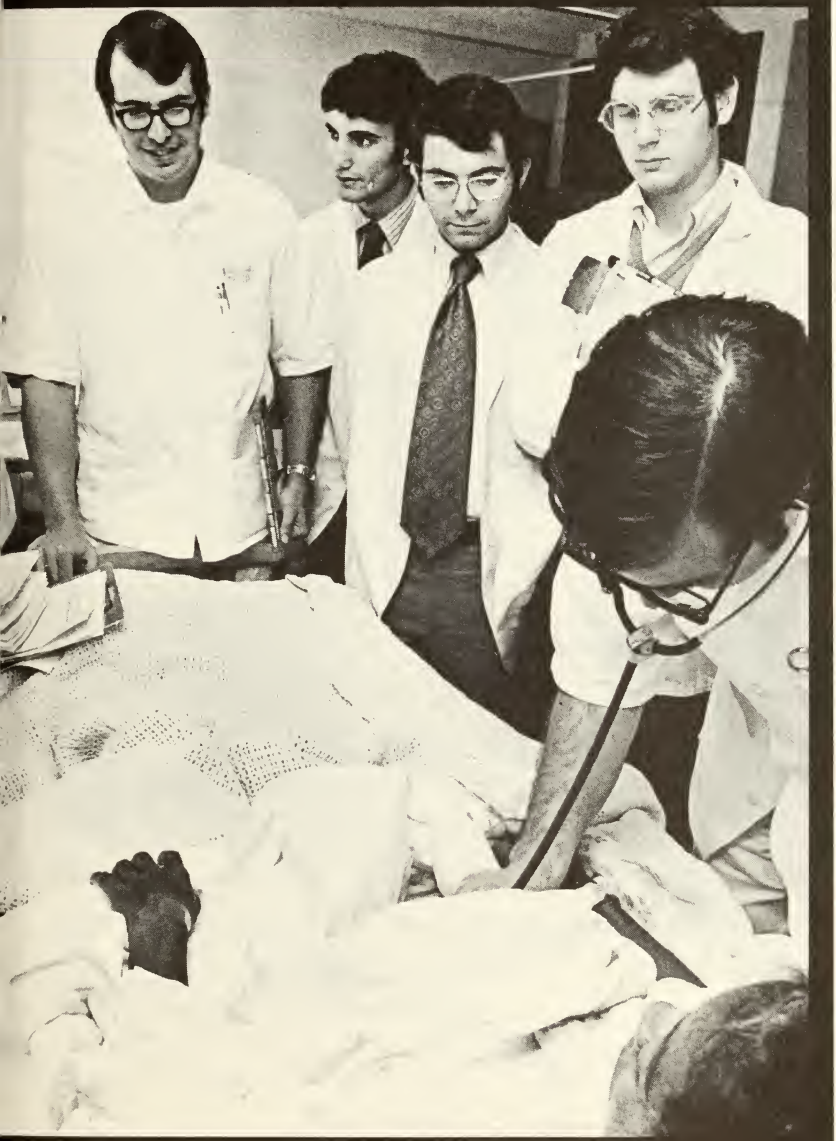
The vast Clark Hill Reservoir on the Savannah River is located near Augusta. There are exceptional facilities for swimming, camping, fishing, boating, picnicking and other outdoor recreational activities at the reservoir.

The College provides tennis courts, facilities for badminton, volleyball and other outdoor sports. A putting green is located near the Student Center Building. The Student Handbook lists recreational activities available in the Student Center.

The Medical Arts Series of the College is one of the many cultural programs available in the city. Some of the groups active in presenting performing art groups are: Famous Artist Series, Junior Woman's Club; Augusta Symphony Orchestra, Augusta Players, Inc., Augusta Opera Association, Inc., Augusta Music Club, Augusta Museum, Augusta Community Concert Association, Augusta College Lyceum Series, Augusta Civic Ballet, Inc., Augusta Choral Society, Paine College, American Association of University Women, American Guild of Organists, American Institute of Architects, Augusta Art Association, Historic Augusta, Inc., Augusta Council of Garden Clubs, Inc. and the Fort Gordon Players.

In and near Augusta there are approximately 175 churches representing 35 religious denominations.

The City of Augusta, second oldest in the state, is located near Aiken, South Carolina, where winter polo and other equestrian sports are popular.



The School of Medicine

School of Medicine Calendar 1973–74

First Year Class (Phase I)

September 4-7, 1973	Orientation and Registration
September 10, 1973	Classes Begin
November 22-25, 1973	Thanksgiving
December 14, 1973	Classes End
December 15-January 2	Christmas Vacation

Second Quarter (10 weeks)

January 2, 1974	Classes begin
March 8, 1974	Classes end

Third Quarter (11 weeks)

March 11, 1974	Classes begin
April 6-12, 1974	Spring Vacation
April 15, 1974	Classes Resume
May 31, 1974	Classes End

Second Year Class (Phase II)

First Quarter (15 weeks)

September 4, 1973	Classes begin
November 22-25, 1973	Thanksgiving
December 14, 1973	Classes end
December 15-January 1	Christmas Vacation

Second Quarter (10 weeks)

January 2, 1974	Classes begin
March 8, 1974	Classes end

Third Quarter (10 weeks)

March 11, 1974	Classes begin
April 6-12, 1974	Spring Vacation
April 15, 1974	Classes Resume
May 24, 1974	Classes End

Third and Fourth Year Classes (Phase III)

Part I National Board Examination—June 12-13

May Rotation begins	May 28 (Fourth year)
May Rotation ends	June 17 (Fourth year)
June Rotation begins	June 18
June Rotation ends	July 15
July Rotation begins	July 16
July Rotation ends	August 12
August Rotation begins	August 13
August Rotation ends	September 9
September Rotation begins	September 10
September Rotation ends	October 7
October Rotation begins	October 8
October Rotation ends	November 4
November Rotation begins	November 5
November Rotation ends	December 2
December Rotation begins	December 3
December Rotation ends	December 19
Christmas Vacation	*December 20-January 1
December Rotation (cont.)	January 2
December Rotation ends	January 13
January Rotation begins	January 14
January Rotation ends	February 10
February Rotation begins	February 11
February Rotation ends	March 10
March Rotation begins	March 11
March Rotation ends	April 7
Spring Vacation	**April 8-14
April Rotation begins	April 15
April Rotation ends	May 12

*Christmas vacation as shown is for all Phase III students *except* those enrolled in a Direct Patient Care Elective (designated ** in the Phase III Bulletin listing) for the December rotation. Those students will follow a "House-staff" schedule during this period.

**There will be a one week vacation from April 8th through April 14th, 1974, for all Phase III students again with the exception for those students enrolled in a Direct Patient Care Elective.

Part II National Board Examination—April 9 and 10, 1974.

Phase II students would not begin their Phase III June rotation until after Part I National Board Examination (always the second Tuesday and Wednesday in June).

School of Medicine

Dean: Curtis H. Carter, M.D.
Associate Deans:
Robert G. Crounse, M.D.
Joseph P. Bailey, Jr., M.D.
Russell R. Moores, M.D.

The physician occupies a vital and honored position in today's increasingly sophisticated and complex society. Successful completion of requirements in the School of Medicine leads to the M.D. degree and a career dedicated to the maintenance of health and the alleviation and cure of disease. Opportunities include clinical practice, teaching and work in research.

Accreditation

The School of Medicine is accredited by the Association of American Medical Colleges in conjunction with the American Medical Association.

Admission Requirements

Policy

Admission policies as established by the Board of Regents of the University System of Georgia are the responsibility of the Admissions Committee, with consideration for the special requirements of the medical curriculum. The Committee is responsible for the acceptance of all students entering the first, second or third year classes. Admission with advance standing to the fourth year class is not ordinarily possible.

The applicant for admission to the School of Medicine is considered on the basis of academic ability and achievement, scores on the Medical College Admission Test, and assessment of individual potential for meeting society's health care needs as evaluated by the premedical adviser, two personal references, and Medical College faculty.

The Admissions Committee makes a searching effort to appraise the potential of individual applicants for accomplishment in medicine, both through the academic record and personal qualifications, as best they can be assessed. Although an analysis of factors which predict success is most difficult, the Committee feels that it must make an effort to evaluate the characteristics of "the track record" in terms of the individual's academic accomplishments and growth as an individual.

Academic Requirements

At least three years of work in an approved college.

The minimum requirement is 90 semester hours or 135 quarter hours. The three year college course, in both quality and quantity, must be acceptable as the equivalent of the first three years leading to the degree of Bachelor of Science or Arts in an approved college of arts and sciences. Preference is given to applicants who will have completed their baccalaureate degree.

An applicant may major in the discipline of his choice; however, he must complete the following:

Biology:

(a) One academic year of general biology or zoology (with laboratory).

(b) One academic year of general inorganic chemistry (with laboratory). Inclusion of quantitative chemistry is recommended.

Chemistry: One academic year of advanced chemistry, two quarters or one semester of which must be organic chemistry with laboratory. The other quarter or semester may be fulfilled by any advanced chemistry course (laboratory not necessary).

Physics: The number of academic terms of Physics (with laboratory) necessary to cover mechanics, heat, light, sound, electricity and magnetism.

English: One academic year of English or whatever portion of the academic year is required for the baccalaureate degree in an accredited college or university.

Note: One academic year equals three quarters, two semesters, or one semester and two quarters.

Premedical Electives

An understanding of man, contributory to the wise and solid practice of medicine, can be derived from many disciplines. Students are encouraged to pursue in-depth study in disciplines which are of real interest to them in addition to the required courses. The selection of the areas for in-depth study is not of primary concern to the Committee; many students select natural science as a primary emphasis and others select physical sciences or the humanities. Elective courses may be used to broaden the background of students applying to medical school.

Medical College Admission Test (MCAT.)

Applicants are required to take this examination and submit scores to the College as part of their application procedure. The test is given twice each year at most senior colleges. Information concerning it may be obtained from the premedical advisor in most colleges (or from Medical College Admission Test, The American College Testing Program, P. O. Box 168, Iowa City, Iowa 52240). The test must be taken by the student no later than Fall, 1973 for the class entering in Fall, 1974; however, if possible it is recommended that the test be taken in the spring of 1973. Information may be obtained from the Division of Student Affairs at MCG.

Physical Examination

A satisfactory health report must be submitted to the Office of Student Affairs.

Personal Interviews

Interviews with members of the Medical College faculty are held by invitation of the Admissions Committee after review of completed application. Such interviews are ordinarily required prior to acceptance.

References

An evaluation of the applicant is required from two persons, one of whom should be an individual active in one of the health professions.

In addition, an evaluation from the applicant's premedical advisor is required. Recommendations from other than these required sources are discouraged.

Application Procedure

The School of Medicine participates in the American Medical College Application Service (AMCAS), which means that application forms are issued by AMCAS upon receipt of an Application Request Card from the applicant. The Request Cards will be available after May 1, 1973, and can be obtained from the Office of Student Affairs, Medical College of Georgia, or from premedical advisors on most college campuses. The MCG deadline for filing applications (postmarked) with AMCAS for the entering class of September 1974, is December 1, 1973. Early application is urged by the Admissions Committee. No application fee in addition to the AMCAS fee is required.

Irregular Students

Faculty members holding doctorates in basic medical or biological sciences who wish to qualify for careers in full-time academic or clinical research may enroll as irregular students in special instances.

Requirements for admission as an irregular student are available from the Office of Student Affairs. Before final acceptance as an irregular student, applicants must obtain approval from the Dean of the School of Medicine for the proposed course of study.

The College assumes no responsibility for future curriculum changes which might alter such programs.

Admission with Advanced Standing

Applicants in good standing in accredited two or four year medical schools will be considered for admission to the appropriate advanced level of the curriculum when student space permits. Details should be obtained from the Office of Student Affairs.

Fees and Expenses

Estimated Student Expenses Per Academic Year (3 quarters)	First Academic Year	Second Academic Year	Third Academic Year	Fourth Academic Year
Matriculation Fee	900	900	900	900
Student Health Fee	30	30	30	30
Student Activities Fee	30	30	30	30
Books	250	180	180	180
Uniforms	20	20	20	20
Instruments	225	—	—	—
Microscope*	100	100	—	—
Housing**	390	390	390	390
Food	700	700	700	700
Personal	500	500	500	500
Total	3,145	2,850	2,750	2,750

NOTE: Matriculation Fee is $300.00 per quarter. Non-Resident Tuition (in addition to Matriculation Fee) is $300.00 per quarter. Student Activities Fee and Student Health Fee are each $10.00 per quarter.

*Cost estimate based on microscope rental plan offered by college.

**See General Information Section on available on-campus housing options and costs.

See General Information section for Hospitalization and Life Insurance costs.

Financial Aid

Additional information and an application form on which to apply for any assistance program administered by the College may be secured by writing the College Financial Aid Office.

Curriculum

During the first year the students study the structure and function of the human body through courses in anatomy, histology, embryology, cell and molecular biology, neurosciences, and physiology. Courses in humanities and behavioral sciences relate to the social, ethical and behavioral aspects of the individual. Microbiology and introduction to pathology are included in the first year curriculum. Contact with patients begins with physical diagnosis during the winter quarter of the first year.

The second year points toward clinical medicine with courses in pathology and pharmacology, genetics, community medicine, and laboratory medicine. Lectures in the "clinical sciences" provide the didactic basis for the major clinical blocks during the clinical years. Courses in radiology, anesthesiology, neurology and psychiatry are also given during the spring quarter. Interdepartmen-

tal cooperation and clinical relevance are stressed throughout the first two years.

In addition to the "core curriculum," two afternoons a week are assigned for electives during part of both the first and second years.

During Phase III of the curriculum, the student is required to take 72 weeks of Clerkships including five basic clerkships to provide adequate fundamental clinical grouping. The Department of Medicine is responsible for the twelve week medical clerkship. The eight week surgical clerkship is taught by the Department of Surgery, including the subspecialty divisions and the Department of Anesthesiology. In addition, a six week clerkship is taught by the Department of Obstetrics and Gynecology, a six week clerkship by the Department of Pediatrics and a four week clerkship by the Department of Psychiatry.

The balance of the third and fourth years is filled by elective courses which can be advanced clerkships in the various clinical departments, including Medicine, Surgery, Obstetrics and Gynecology,Psychiatry,Neurology,Pediatrics, Dermatology, Radiology, Anesthesiology and Family Practice, as well as electives in basic sciences. Research electives are available. Electives may also be taken in other institutions and community hospitals upon approval by the appropriate department of the School of Medicine and the faculty Curriculum Committee.

The biological sciences and clinical sciences are taught by various departments of the School of Medicine. Courses for students of the School of Medicine are listed in this section.

Required Clerkships—Phase III

Med 500. Basic Clerkship in Medicine.
A three month medical clerkship intended to provide a basic grounding for clinical medicine. It is organized to help students learn to obtain and evaluate information regarding patients by participating in the health care team. The clerkship emphasizes basic approaches to solving problems presented by illness, particularly in the realm of internal medicine. (Scheduled June, September, December, March)

Obg 500. Clinical Reproductive Biology.
This required basic clerkship of six weeks duration combines inpatient and outpatient experience in human reproduction and in disorders of the female reproductive system. The student will spend three weeks on the obstetric service and three weeks on the gynecology service at the teaching hospital. Outpatient experience will be at Torpin Clinic, Richmond County Health Department and other health departments during the entire six weeks.

Ped 500. Basic Clerkship in Pediatrics.
A six weeks pediatric clerkship to provide basic grounding in child health and human development. It is organized to help students develop skills in pediatric history taking and physical diagnosis and in the interpretation of laboratory findings in the various age groups, including infancy. Experience will be gained in the approach to children's health problems in a wide variety of settings, including nursery, ward and outpatient

clinics. The recognition of normal developmental patterns as well as the impact of age in the expression of disease will be emphasized. (Scheduled June through May)

Psy 500. Basic Psychiatry. This required clerkship will provide the student with intensive experience with psychiatric inpatients. With collaboration and guidance of the staff, he will do a complete work-up on assigned patients, including physical examination, mental status and psychodynamic case formulation. He will then proceed with treatment with emphasis on supervised psychotherapy, but including medication and other therapies as indicated. (Scheduled June through May)

Sur 500. Clinical Surgery. (Including Anesthesiology and Emergency Medicine) This eight week course is the basic course required of all students and is the prerequisite for many surgical electives involving contact with patients. Instruction includes basic concepts of Emergency Medicine and Anesthesiology. Students are assigned patients in General Surgery for total patient care participation, including complete write-ups and participation in operative procedures. They take part in ward rounds, conferences, tumor conferences, journal club, seminars and informal discussions. Student activities involve both inpatients and outpatients. The course includes "Surgical Techniques", an exercise in which students perform standard operations on anesthetized animals. (Scheduled June through May)

Elective Curriculum

Anatomy

Acting Chairman: Thomas F. McDonald, Ph.D.

Anm 501. Anatomy of Head, Neck and Trunk. (Special Elective)

Anesthesiology

Acting Chairman: Z. W. Gramling, M.D.

Ans 501. Anesthesiology Four Week Clerkship.

Basic elective in clinical anesthesia. Management of the patient before, during and after anesthesia under supervision of faculty. Lectures, seminars and conferences on shock, inhalation therapy, anesthetic agents, techniques and management of complications.

Ans 502. Anesthesiology Research Fellowship. (Special Elective) Clinical research experience in analgesics for postoperative pain and blood gas studies in ventilatory and respiratory problems during or after anesthesia.

Ans 504. Anesthesiology Two Month Clerkship. (Special Elective) Closely supervised clinical experience in the administration of anesthesia. Experience similar to that of a resident beginning training. Attendance at all scheduled teaching conferences and seminars.

Ans 505. Anesthesiology Preceptorship. (Special Elective) Clinical experience in Anes-

thesiology in an off-campus hospital approved by the Chairman of the Department of Anesthesiology.

Cell and Molecular Biology

Chairman: Edward Bresnick, Ph.D.

Cmb 501. Topics in Biochemistry. (Special Elective)

Cmb 502. Disorders of Metabolism. (Special Elective)

Cmb 503. Experimental Virology. (Special Elective)

Cmb 504. Bacterial Genetics. (Special Elective)

Dermatology

Chairman: J. Graham Smith, Jr., M.D.

Der 501. Dermatology Clinical Clerkship. (1 month)

Der 502. Dermatology Research Training Program. (Special Elective)

Endocrinology

Chairman: Virendra B. Mahesh, Ph.D.

End 501. Elective in Clinical Endocrinology.

End 502. Research in Endocrinology. (Special Elective)

Family Practice

Chairman: William E. Lotterhos, M.D.

Announced courses:

Acute Care
Anesthesiology
Basic Sciences Refresher Course
Behavioral Sciences in Medicine
Care of Chronically Ill
Critical Evaluation of Medical Literature
Dental Diseases
Doctor-Patient Relationship
Genetics
Human Sexuality Counseling
Interpretation of EKGs
Medicine & Law
Nutrition
Office Management
Paramedical Resources & Patient Care
Pharmacologic Agents in Therapy
Physical Diagnosis—Problem Oriented
Public Health & Community Medicine
Public Speaking
Problem Oriented Medical Records
Community Medicine Electives

Community Medicine Electives

1. For freshman students

— Epidemiologic Evaluation of Health Problems and Medical Care.

— Drug Abuse.

— Computer Applications in Medicine.

2. For sophomore students

— Epidemiologic Evaluation of Medical Care.

— Critical Review of Medical Literature.

— Computer Applications in Medicine.

— Training in Other Institutions.

3. For junior and senior students

Cmd 501—Family Practice and Cardiovascular Diseases.

Cmd 502—The Current and Future Organization and Evaluation of Medical Care and Medical Practice.

Cmd 503—Epidemiologic Research

Cmd 504—Training in Other Institutions. (Special Elective)

Medicine

Chairman: Alfred Jay Bollet, M.D.

Med 501. Substitute Internship, V.A. Hospital. (1 month)

Med 502. Substitute Internship, V.A. Hospital. (2 months)

Med 503. Substitute Internship, University Hospital. (1 month)

Med 504. Substitute Internship, University Hospital. (2 months)

Med 505. Substitute Internship, U.S. Army General Hospital, Fort Gordon. (1 month)

Med 506. Substitute Internship, U.S. Army General Hospital, Fort Gordon. (2 months)

Med 507. Rheumatology, Talmadge Hospital. (1 month)

Med 508. Rheumatology, Talmadge Hospital. (2 months)

Med 509. Hematology, Talmadge Hospital. (1 month)

Med 509A. Hematology, V.A. Hospital. (1-2 months)

Med 510. Metabolic and Endocrine Disease, Talmadge Hospital. (1 month)

Med 511. Nephrology, Talmadge Hospital. (1 month)

Med 512. Clinical Cardiology, Talmadge Hospital. (1 month)

Med 512A. Cardiology, U.S. Army General Hospital, Fort Gordon. (1-2 months)

Med 513. Cardiology, V.A. Hospital (2 months)

Med 514. Gastroenterology, Talmadge Hospital. (1 month)

Med 514A. Further studies in Gastroenterology, Talmadge, V.A. Hospital. (1, 2, or 3 months)

Med 515. Gastroenterology, V.A. Hospital. (1 month)

Med 516. Medical Chest, Talmadge Hospital. (1 month)

Med. 517. Medical Chest, V.A. Hospital. (1 month)

Med. 518. Infectious Disease, Talmadge Hospital. (1 month)

Med 519. Electronics as applied to Medicine, Talmadge Hospital. (1 month)

Med 520. Preceptorship in Internal Medicine. (1 month)

Med 521. Preceptorship in Renal Medicine. (1 month)

Med 522. Off-campus Elective. (1 or 2 months)

Med 523. Research Elective in Medicine. (2 months, or longer or arrangement)

Med 524. College Health, University of Georgia, Athens, Ga. (1 to 3 months)

Med 525. Physical Medicine (Rheumatology), Warm Springs, Ga. (1 month)

Med 526. Metabolic and Endocrine Research, Talmadge Hospital or V.A. Hospital. (1 to 3 months)

Med 527. Community Hospital Elective, Columbus, Dublin or Waycross. (1 or 2 months)

Med 528. Cardiology: Clinical Hemodynamics, Talmadge Hospital. (1 or 2 months)

Med 530. Advanced Clerkship, Savannah Memorial Hospital, Savannah, Ga. (1 or 2 months)

Med 531. Gastroenterology, Macon Hospital, Macon, Ga. (1 or 2 months)

Med 532. Advanced Clerkship, Macon Hospital, Macon, Ga. (1 or 2 months)

Med 533. Advanced Clerkship, Georgia Baptist Hospital, Atlanta, Georgia. (1 or 2 months)

Med 534. Clinical Oncology, Talmadge Hospital. (1 month)

Neurology

Chairman: Joseph B. Green, M.D.

NEU 501. Basic Clerkship in Neurology.
Students participate in the care of inpatients and selected outpatients. Organized teaching activities include daily ward rounds and weekly clinical neuroscience conference, pediatric neurology clinical case conference and neuropathology conference. Specifics of rotation can be arranged with Drs. J. B. Green or Paul Dyken.

NEU 502. Advanced Clerkship in Adult Neurology.
NEU 503.
NEU 504.
The activities are similar to those in the Basic Neurology Clerkship except that there is more opportunity for an in-depth experience. Those in these clerkships will be given increasing responsibilities for patient care and more opportunity for clinical, basic and library research. Specifics of rotation can be arranged through Drs. Joseph Green or Paul Dyken.

NEU 505. Basic Clerkship in Pediatric Neurology.
The student will be exposed to common pediatric-neurological problems which include the differential diagnosis of CNS degenerative diseases, convulsive disorders, CNS metabolic disorders, mental retardation, birth defects, learning disorders and neuromuscular problems. Specifics of rotation can be arranged through Dr. Paul Dyken.

NEU 506. Advanced Clerkship in Pediatric Neurology.
NEU 507.
The activities in this elective are similar to those in the Basic Clerkship in Pediatric Neurology except that there is more flexibility and more opportunity for an in-depth experience in Pediatric Neurology. Whereas NEU 505 is located at ETMH only, the advanced clerkships will offer considerable experience at the University and Gracewood hospitals. To be arranged through Dr. Paul Dyken.

NEU 508. Preceptorship in Neurology. (Special)
NEU 509.
From one to three months of tutorial study and/or investigation of a subject in depth may be arranged with any faculty member of the Department of Neurology. (Dr. Joseph Green and Dr. Paul Dyken)

NEU 510. Advanced Tutorial in Neurology. (Special)
NEU 511.
NEU 512.
The student will have an opportunity to evaluate and participate in the management of patients seen in the private practice of neurology and pediatric neurology in the Augusta, Savannah or other areas around the country by special arrangement with a known preceptor and the Chairman of the Department of Neurology or Dr. Paul Dyken. (Dr. Joseph Green or Dr. Paul Dyken)

Obstetrics and Gynecology

Chairman: William A. Scoggin, M.D.

Obg 501. Off-Campus Elective in Clinical Ob-Gyn. (Special Elective)

Obg 502. Obstetrics and Gynecology. (University Hospital)

Obg 503. Obstetrics and Gynecology. (University Hospital)

Obg 504. Obstetrics and Gynecology. (Ft. Gordon)

Obg 505. Obstetrics and Gynecology. (Ft. Gordon)

Ophthalmology

Chairman: Malcolm N. Luxenberg, M.D.

Oph 501. Ophthalmology Clerkship.

Oph 502. Ophthalmology Research Elective. (Special Elective)

Oph 505. Ophthalmology Preceptorship. (Special Elective)

Oph 506. Special Surgical Clerkship. (from General Surgery)

Pathology

Pth 501. Anatomic Pathology. (Special Elective)

Pth 502. Current Autopsy Case Studies. (Special Elective)

Pth 503. Exfoliative Cytology. (Special Elective)

Pth 504. Experimental Thrombosis. (Special Elective)

Pth 505. Research in Histochemistry. (Special Elective)

Pth 506. University Hospital Pathology Laboratory. (Special Elective)

Pth 507. Experimental Cancer Research. (Special Elective)

Pth 508. Nuclear Medicine. (Special Elective)

Pth 509. Surgical Pathology. (Special Elective)

Pth 510. St. Francis' Pathology Laboratory (Columbus, Ga.). (Special Elective)

Pth 511. Athens General Hospital Pathology Laboratory (Athens, Ga.). (Special Elective)

Pth 512. St. Mary's Hospital Pathology Laboratory (Athens, Ga.). (Special Elective)

Pth 513. Newberry County Hospital Pathology and Radiology Laboratory (Newberry, S.C.). (Special Elective)

Pth 514. Upson County Hospital Pathology and Radiology Laboratory (Thomaston, Ga.). (Special Elective)

Pth 515. Charlotte Memorial Hospital Pathology Laboratory (Charlotte, N.C.). (Special Elective)

Pth 516. Norfolk General Hospital Pathology Laboratory (Norfolk, Va.). (Special Elective)

Pth 517. Teaching Elective in General and Special Pathology. (Special Elective)

Pth 518. St. Joseph's Hospital Pathology Laboratory (Atlanta, Ga.). (Special Elective)

Pth 519. Laboratory Microbiology. (Special Elective)

Pth 520. Clinical Chemistry. (Special Elective)

Pth 521. Hematology and Hematopathology. (Special Elective) tive)

Pth 522. Immunohematology and Blood Banking. (Special Elective)

Pth 523. General Laboratory Medicine. (Special Elective)

Pth 524. Cardiac Pathology. (Special Elective)

Pediatrics

Chairman: Alex F. Robertson, M.D.

Ped 501. Pediatric Clerkship.

Ped 502. Neonatology Clerkship and Newborn Follow-Up.

Ped 503. Ft. Gordon Pediatric Clinic.

Ped 504. Clerkship in Intensive Care of the Fetus and Newborn.

Ped 505. Pediatrics Preceptorship. (Special Elective)

Ped 506. Comprehensive Health Clinic. (Children & Youth) (1 mo.)

Ped 507. Comprehensive Health Clinic. (Children & Youth) (2 mo.)

Ped 508. Pediatric Clerkship at Gracewood. (1 mo.)

Ped 509. Pediatric Clerkship at Gracewood. (2 mo.)

Ped 510. Multidisciplinary Approach to the Child with a Birth Defect.

Ped 511. Neonatal and Pediatric Hematology. (1 mo.)

Ped 512. Neonatal and Pediatric Hematology. (2 mo.)

Ped 513. Pediatric Specialty Clinic (1 mo.)

Ped 514. Pediatric Specialty Clinic (1 mo.)

Ped 515. Pediatric Research. (Special Elective)

Ped 516. Neonatology Research. (Special Elective)

Ped 517. Research in Developmental Biology. (Special Elective)

Ped 518. Pediatric Cardiology. (1 mo.)

Ped 519. Pediatric Cardiology. (2 mo.)

Ped 520. Clinical Allergy and Immunology.

Ped 521. Respiratory Illness in Children.

Ped 522. Respiratory Disease Research. (Special Elective)

Ped 523. Off-Campus Clerkship (Special) (Columbus, Ga.)

Ped 524. Off-Campus Clerkship (Special) (Other Hospital)

Ped 525. Pediatric Cardiology Research (3 mo.)

Ped 526. Allergy-Immunology Research

Ped 527. Substitute Pediatric (Intern)

Pharmacology

Chairman: Raymond P. Ahlquist, Ph.D.

Phm 501. Clinical Pharmacology. (Special Elective)

Phm 502. Teratology Laboratory. (Special Elective)

Phm 503. Molecular Mechanisms of Drug Action. (Special Elective)

Phm 504. Adrenergic Pharmacology. (Special Elective)

Phm 505. Drug Interactions and Toxicology. (Special Elective)

Phm 506. Cardiovascular Pharmacology. (Special Elective)

Phm 507. Phase III Elective Program. (Special)

Physiology

Chairman: Robert C. Little, M.S., M.D.

Phy 501. Topics in Physiology. (Special Elective)

Phy 502. Cardiovascular—Renal Physiology. (Special Elective)

Psychiatry

Chairman: E. J. McCranie, M.D., Ph.D.

Psy 501. Behavioral Therapy Research Elective (Special Elective)

Location	ETMH
Enrollment	1 Minimum 4 Maximum
Prerequisites	None
Duration	One to Three Months
Months Offered	By Arrangement

Training and research in various aspects of behavioral psychotherapy, including hypnosis, conditioning, and desensitization techniques.

Psy 502. General Psychiatry Tutorial (Special Elective)

Location	ETMH
Enrollment	By Arrangement
Prerequisites	None
Duration	One to Two Months
Months Offered	By Arrangement with either

Psy 503. Clinical Clerkship—Fort Gordon (Special Elective)

Location	Fort Gordon
Enrollment	1 Minimum 3 Maximum
Prerequisites	None
Duration	One or Two Months
Months Offered	June through May by Arrangement

Supervised case workers and treatment of psychiatric inpatients or outpatients or patients in the Drug and Alcohol Program. Various treatment modalities are utilized, including individual and group psychotherapy, psychopharmacologic treatment, Half Way House.

Psy 504. Psychophysiology Research Elective (Special Elective)

Location	ETMH
Enrollment	By Arrangement
Prerequisites	None
Duration	One Month
Months Offered	By Arrangement

Research in general areas of learning perception, psysiological assessment of autonomic nervous system reactivity, psychiatric disorders, psychopharmacology.

Psy 505-506 Adolescent Psychiatry

Location	ETMH
Enrollment	1 Minimum 2 Maximum
Prerequisites	None
Duration	505 1 Month 506 2 Months
Months Offered	June through May

This clerkship will provide experience with inpatient and outpatient adolescents.

Psy 507-508. Child Psychiatry

Location	ETMH
Enrollment	1 Minimum 3 Maximum
Prerequisites	None
Duration	507 1 Month 508 2 Months
Months Offered	June through May

Guided experience, reading and research related to the child (age 11 or under) having behavioral, learning or developmental difficulties will be provided.

Psy 509. Clinical Clerkship (Special Elective)

Location	Central State Hospital, Milledgeville, Ga. Regional State Hospital, Augusta, Ga. VA Hospital in Augusta, Georgia W. S. Hall Psychiatric Institute, Columbia, S.C.
Enrollment	By Arrangement
Prerequisites	None
Duration	Two Months
Months Offered	By Arrangement

These clerkships provide supervised experience in the evaluation and treatment of people with a variety of psychiatric disorders, supplemented by conferences and didactic instruction.

Psy 510. Psychotherapy and Other Modes of Treatment (Special Elective)

Location	ETMH, Georgia Regional
Prerequisites	Psy 500
Duration	Two Months
Months Offered	July through May

This elective will stress various therapeutic techniques including psychotherapy, drug and various organic therapies involving adults, adolescence and possibly children. Due to the fact that this elective involves primary patient care it will be impossible to include vacation time.

Psy 511. Psychosomatic Medicine

Location	ETMH
Enrollment	1 Minimum 3 Maximum
Prerequisites	None
Duration	Two Months
Months Offered	June through May

This clerkship will provide a continued and deeper experience with clinical problems similar to those in the Basic Medicine Clerkship. It will emphasize the consultation process and brief psychotherapy of psychosomatic cases.

Psy 512. Alcohol and Drug Abuse

Location	ETMH (and others to be specified)
Enrollment	2 Minimum 6 Maximum
Prerequisites	None
Duration	Two Months
Months Offered	June on

Varied clinical experience with drug and alcohol problems at several facilities; selected reading list, several psychiatrists and other disciplines will supervise the experience.

Psy 513. Off-Campus (Special Elective)

Location	By Arrangement
Enrollment	By Arrangement
Prerequisites	None
Duration	One Month
Months Offered	By Arrangement

Psy 514. Medical Sociology (Special Elective)

Location	ETMH
Enrollment	By Arrangement
Prerequisites	None
Duration	One to Two Months
Months Offered	By Arrangement

An examination of the nature of sociological and sociopsychological processes (valve formation; role differentiation; socialization; power, influence and control; interpersonal perception; social conflict). The concepts and principles derived from the study of interaction among doctors, patients, allied health personnel, and the surrounding socio-cultural environment.

Radiology

Chairman: Mark Brown, M.D.

Rad 501. Radiology.

Rad 502. Nuclear Medicine (Special Elective)

Rad 503. Clerkship in Radiation Therapy. (Special Elective)

Rad 504. Advanced Clerkship in Diagnostic Radiology. (Special Elective)

Rad 505. Off-campus Elective. (Special Elective)

Rad 506. Radiology Preceptorship. (Special Elective)

Rad 507. Radiobiology. (Special Elective)

Rad 508. Radiobiology. (Special Elective)

Rad 509. The Business Aspects of Medical Practice. (Special Elective)

Surgery

Chairman: Arlie R. Mansberger, M.D.

General Surgery

Sur 501. Clerkship.
Working with patients in preoperative, intraoperative and postoperative care, and participating in all regularly scheduled teaching, patient care and research conferences of General Surgery.

Sur 502. Research Elective. (Special Elective)
An area of mutual interest to the student and his supervisor will be selected and the student will outline his research project, carry it out under supervision and submit a report of his work toward the end of the project.

Sur 503. Tutorial. (Special Elective)
Individual students may elect to study in depth, for a period of one to two months, any specific area in surgery under the guidance of the faculty member most familiar with that specific area. A thesis or report on the subject chosen is a necessary part of this elective.

Sur 504. Preceptorship. (Special Elective)
Clinical experience with individual private practice preceptor, in his office, operating room and hospital.

Sur 505. Off-Campus Experience. (Special Elective)
An off-campus experience in some phase of surgery in some other medical school or institution for a period of one to two months.

Sur 506. Special Surgical Clerkship.
Designed to introduce the student in some depth to several areas of surgery. Two week rotations, with an occasional four week rotation, are available in: 1) Emergency Room (U.H.); 2) General Surgery; 3) Neurosurgery; 4) Ophthalmology; 5) Orthopedics; 6) Thoracic/Cardiac; 7) Urology and 8) Anesthesiology.

Sur 507-508. Kidney Transplantation.
Students will assist with care of patients having renal transplants.

Sur 509. The Burn Wound: Some Physiologic and Biophysical Aspects. (Special Elective)
A study of the burned wound, its permeability and a study of those chemical components of the wound surface which are of clinical importance.

Sur 510. Emergency Room. (Univ. Hosp.).
Four-week elective in emergency room (U.H.) as available after meeting needs of Sur 506. Active participation in care of patients in U.H. Emergency Department.

The Department of Surgery has six divisions. They are General Surgery, Neurosurgery, Otolaryngology, Orthopedics, Thoracic/Cardiac and Urology. Each division offers a clerkship, a research elective, a tutorial elective, a preceptorship and most offer an off-campus elective. The description of the content of the elective is the same as that for General Surgery.

Neurosurgery

Chief: Marshall B. Allen, Jr., M.D.

Sur 511. Neurosurgery Clerkship.

Sur 512. Neurosurgery Research Elective. (Special Elective)

Sur 513. Neurosurgery Tutorial. (Special Elective)

Sur 514. Neurosurgery Preceptorship. (Special Elective)

Sur 515. Neurosurgery Off-Campus Experience. (Special Elective)

Otolaryngology

Chief: George W. Thurmond, M.D.

Sur 521. Otolaryngology Clerkship.

Sur 522. Otolaryngology Research Elective. (Special Elective)

Sur 523. Otolaryngology Tutorial. (Special Elective)

Sur 524. Otolaryngology Preceptorship. (Special Elective)

Sur 525. Otolaryngology Off-Campus. (Special Elective)

Orthopedics

Chief: Floyd E. Bliven, M.D.

Sur 531. Orthopedic Clerkship.

Sur 532. Orthopedics Research Elective. (Special Elective)

Sur 533. Orthopedics Tutorial. (Special Elective)

Sur 534. Orthopedics Preceptorship. (Special Elective)

Sur 535. Orthopedics Off-Campus Experience. (Special Elective)

Sur 536. Hand Surgery. (Special Elective)

Thoracic and Cardiac

Chief: Robert G. Ellison, M.D.

Sur 541. Thoracic and Cardiac Clerkship.

Sur 542. Thoracic and Cardiac Research Elective. (Special Elective)

Sur 543. Thoracic and Cardiac Tutorial. (Special Elective)

Sur 544. Thoracic and Cardiac Preceptorship. (Special Elective)

Urology

Chief: Roy W. Witherington, M.D.

Sur 551. Urology Clerkship.

Sur 552. Urology Research Elective. (Special Elective)

Sur 553. Urology Tutorial. (Special Elective)

Sur 554. Urology Preceptorship. (Special Elective)

Sur 555. Urology Off-Campus Experience. (Special Elective)

Sur 556. Urology (at VA Hospital Special Elective)

Pediatric Surgery
Chief: Robert A. Parrish, M.D.

Sur 651 Pediatric Surgery
(Externship)
(Special Elective)
Pediatric Surgery Elective, a one month externship offered to those completing the Surgery Core. Designed to introduce the student to the fundamentals in the clinical care of the pediatric surgical patient.

Curriculum Bulletin

The courses offered are not limited to those listed above, and new courses are frequently introduced into the curriculum. It is possible that some of the courses listed may be withdrawn from the curriculum with the approval of the Curriculum Committee and the Dean of the School of Medicine. Course descriptions can be found in the Phase III Curriculum Bulletin, a copy of which may be obtained by writing to the Curriculum Office, School of Medicine.

Scholarship and Promotion

Promotion of students from one year to the next is dependent upon the satisfactory completion of each year's work. Promotions are considered on the basis of recommendations by individual instructors, on department evaluations and on students' total records, including performance on Parts I and II of The National Board Examinations.

The faculty has the obligation and right to determine the methods of evaluation by performance or by examination and to evaluate each student individually. Comprehensive oral examinations may be scheduled at the end of the second and fourth years on the advice of the Promotion Board.

Classification of students: In the School of Medicine, students are classified as first year, second year, third year or fourth year.

Requirements For Graduation

The degree of Doctor of Medicine is awarded to candidates who have successfully completed the prescribed course of study. Evaluation of the members of the graduating class is similar to that for each of the other classes.

The College awards the degree of Doctor of Medicine only to those candidates for graduation who are at least 21 years of age. The Promotion Board must be satisfied that the candidate has completed acceptably twelve quarters of medical study in accredited institutions, and that he will be a credit to the medical profession.

At least his final two years of study must have been at this school.

The College reserves the right to require one year internship before awarding the degree of Doctor of Medicine to any student.

Grading System

4—Excellent	I—Incomplete
3—Good	WF—Withdrew Failing
2—Average	WP—Withdrew Passing
1—Provisional	NC—No Credit
0—Failure	AU—Audit
	CR—Credit
	NR—Not Reported

OTHER PROGRAMS AND ADMINISTRATIVE PROCEDURES

Student Responsibilities & Judicial Procedures

Student discipline at the College is the responsibility of the President and his administrative staff. Students will be liable for disciplinary action should they fail to act in a manner of credit to themselves, the College and the medical profession.

Honor System

Every medical student is expected to maintain a high degree of personal integrity and honor, not only during his years on the campus, but also throughout his practice as a physician. In recognition of this obligation, each student is expected to subscribe to an honor code established by the students of previous years. The Honor Court is composed of twelve regularly enrolled students, with four members from each the fourth, third, and second year classes. A copy of the Honor Code is distributed to freshmen during orientation.

Student Affairs Committee

The Student Affairs Committee of the School of Medicine acts as an advisory committee to the Dean in student and faculty relations. The Committee consists of the chairman to be nominated and appointed in accordance with the policies for General Faculty Committees; one faculty member to be elected by the students from each of the four classes; Associate Dean for Curriculum, ex officio; Director of Student Affairs, ex officio; the student members shall include the President of each class, the President of the Student American Medical Association and the School of Medicine representative to Organization of Student Representatives of the AAMC.

Alpha Omega Alpha

A chapter of this honorary scholastic fraternity in medicine was established at the College in 1926. Each year students of the third and fourth year classes are nominated on the basis of both peer and faculty recommendations and academic excellence. Elections are held by active members of the chapter.

Special Programs

Guest Lecturers

Throughout the year, distinguished physicians and scientists from

other schools and from overseas visit the various departments of the Medical College of Georgia and participate in the departmental teaching programs.

Distinguished lecturers address the whole school each year.

In addition, the following special lectureships are held: (1) The Aaron Brown Memorial Lecture, sponsored by Phi Delta Epsilon Fraternity; (2) The Alpha Omega Alpha Honor Fraternity sponsors two lectures annually (Student Honors Day occurs with the spring lecture); (3) The Sydenstricker Lecture, in honor of the late Dr. Virgil P. Sydenstricker, a distinguished member of the faculty for many years, sponsored by the Student American Medical Association.

Research Fellowships

The Medical College of Georgia has a limited number of summer research fellowships in which students work closely with faculty investigators on specific problems.

This is an elective, but an important component of the students' educational experience, allowing them to participate in research and to develop an understanding of the methods, philosophies and problems involved.

Interested students should contact department directly.

Affiliated Hospitals Program

The School of Medicine has developed a number of affiliations with community hospitals around the State of Georgia. These affiliations are aimed primarily at widening the educational experiences of our students by providing them with educational opportunities in general medicine and the specialty fields at the affiliated community hospitals. By participating in these training programs the student will gain experience, insight, and perspective into the practice of high quality medical care as it exists in private practice and these community hospitals.

The required clerkships in clinical medicine are organized to make optimal use of the clinical facilities in the Augusta area. These clerkships accordingly are situated in the teaching hospital, the University Hospital (city-county hospital), the Veterans Administration Hospital and the Georgia Regional Hospital.

Elective programs in community hospitals and the family practice preceptorships are available to students who have completed the nine months of required clerkships in the Phase III Curriculum. A total of four months of elective training may be spent in community hospitals or off-campus preceptorships. Electives are available in Savannah at the Memorial Medical Center; in Columbus at the Medical Center; the Macon Hospital in Macon, and the county hospitals located in Dublin and Waycross, Ga., and Newberry, S.C. In Augusta, electives are available at the University Hospital, at the Fort Gordon Army Hospital, and the Veterans Hospitals.

Experimental Curriculum

During the 1970-71 and 71-72 school year, an experimental curriculum in the Basic Medical Science was tried. The experiment used patient problems to introduce all basic science material and emphasized problem solving. Several successful aspects of the initial experiment have been incorporated into the regular curriculum.

A second experimental curriculum is being planned to begin in the fall of 1973. It will be a self-contained 3 year patient-problem oriented curriculum developed around primary medical care programs and family practice. Early patient contact, self-instructional materials, the problem oriented medical record and computer assisted learning will be prominent features of the program.

Student participation will be on a voluntary basis.

Postdoctoral Training Programs

The College has internship and residency programs which have been approved by the Council on Medical Education and Hospitals of the American Medical Association. The teaching hospital of the College, Eugene Talmadge Memorial, is the parent hospital for these programs but integration and/or affiliation with the University Hospital, Augusta; the Veterans Administration Hospitals, Augusta; Battey State Hospital, Rome; Georgia Regional Hospital, Augusta, and the Macon Hospital, Macon, may be included. A brief outline of the various training programs is given below. Applicants seeking residency training may apply either to the departmental chairman or to the Director of Hospital & Clinics.

Internships

Chairman of Internship Advisory Committee: James B. Hudson, M.D.

Chairman of Intern Selection Committee: Dr. Jennifer Johnson

(Applicants should register with the National Intern Matching Program, 2530 Ridge Avenue, Evanston, Illinois 60201.)

Medicine

Professor and Chairman: Alfred Jay Bollet, M.D.

The Medical Internship is a straight service consisting of eight months on the general Medical Wards, one month in the Emergency Room (at the University Hospital) and three months elective.

Obstetrics and Gynecology

Professor and Chairman: William A. Scoggin, M.D.

Four rotating internships are offered by the Department of Obstetrics and Gynecology. The internships have a mandatory assignment of at least four months of Obstetrics-Gynecology and four months of Medicine. For those interns who elect to continue their training in this department, the internship serves as the first year of our four year program in Obstetrics and Gynecology.

Pathology

The straight internship in Pathology is offered to recent graduates whether or not they have decided about later training. The intern's experience is like that of a first-year resident. His study of human disease is excellent preparation for any clinical field. If he decides to continue in Pathology, it is a year saved that can be spent later in special research training. An elective in one of the clinical disciplines may be arranged. The Internship program is in the Medical College teaching hospital and may include elected periods in the Medical College affiliated University Hospital.

Pediatrics

Professor and Chairman: Alex F. Robertson, M.D.
Eight straight pediatric internships are available. The year is spent on the Pediatric inpatient and newborn services at Talmadge Hospital and in the outpatient clinics and emergency room of University Hospital.

Surgery

Professor and Chairman: Arlie R. Mansberger, M.D.
Four straight surgical internships are offered. Additional straight surgical internships can be arranged if coordinated with residency programs in one of the Surgical subspecialities.

Nine months of the year are devoted to surgery, primarily general surgery, although two months may be spent in a surgical subspecialty. One or two months in the Emergency Room may also come from the nine months of Surgery. Three elective months are provided and may be spent in Medicine, Pediatrics, or Pathology. The straight surgical internship may be combined with the first year of residency in General Surgery.

Rotating Internships

Ten rotating internships are offered and are of two types: Rotating^{3} and Rotating^{9} as listed in the American Medical Association Directory of Approved Internships and Residencies.

Rotating^{3} Internships are discussed in the Obstetrics and Gynecology section.

Rotating^{9} Internships offer any of the programs from Rotating^{0} through Rotating^{8}. The rotating program allows maximum latitude of choice in the content of the intern's year since four months of Internal Medicine is the only specific requirement. Such latitude will require special counseling for each applicant to ensure that the program selected best suits his long range plans. The required months of Medicine will be divided between the Talmadge and Veterans Administration Hospitals. Twelve positions are available.

Inquiries about STRAIGHT or ROTATING^{3} INTERNSHIPS should be directed to the appropriate Department Chairman.

Inquiries about the ROTATING^{9} INTERNSHIPS should be sent to the College's Intern Selection Committee.

Residencies

Anesthesiology

Prerequisite: a minimum of one year internship. A two or three year residency training is offered all, in the teaching hospital. The two year program is basically clinical Anesthesiology. The three year program offers in addition one year of variable time on electives such as cardiology, cardiopulmonary laboratory, pharmacology, physiology, anatomy, etc. If the resident desires, he may spend part or the entire year in research activities. (Z. W. Gramling, M.D.)

Dermatology

The residency training program in Dermatology is for three years with emphasis on both clinical and basic scientific aspects of cutaneous medicine. Patients are seen in out-patient clinics at the Talmadge, University, and Veterans Administration Hospitals. There are ten inpatient beds at the Talmadge

Hospital and beds are available at the V.A. Hospital, on a "need basis." Training is graduated, with increased responsibility in the care of patients accruing throughout the program. Regular weekly conferences include Dermatology Grand Rounds, histopathology conference, basic science seminar, journal club and didactic conferences. In order to develop the critical capacity necessary to evaluate advances in Dermatology, residents rotate through the research laboratories for periods of two to twelve months full-time during their training and are required to complete a clinical or laboratory research project during the three year training period. (J. Graham Smith, Jr., M.D.)

Family Practice

A Department of Family Practice in the School of Medicine was established in July 1972. The Family Practice program will include medical student and resident training programs to prepare young physicians for careers in family medicine. The program will become operational in July, 1973.

The objectives of this new department are: to educate and train physicians as primary care physicians in the specialty of family medicine; to equip them with the knowledge and skills necessary to the providence of high quality, personalized care for people and their problems related to health, illness and disease prevention; to function as a leader of the health care team which focuses on the family as the basic unit of society and which emphasizes continuity and comprehensiveness of health care; to emphasize the prevention of disease and an awareness of sociobehavior problems in the context of the patient and his environment; to stimulate the interest and involvement in clinical research, evaluation and peer review of the medical care process, and a search for improved methods of health care delivery; and to emphasize the importance of continuing education for all physicians.

A model Family Practice Center will be established in which medical students, residents in family practice and others will participate in the family health care process. Residents in family medicine will spend an increasing proportion of their time in this Center as they progress through their three years of residency, but they will gain clinical experience and education in other clinical departments such as internal medicine, pediatrics, surgery, obstetrics and gynecology, psychiatry and others. (William E. Lotterhos, M.D.)

Internal Medicine

A complete post-graduate training program in Internal Medicine and its subspecialities is offered; all of the training required for qualification for the American Board of Internal Medicine and each of the Subspecialty Boards can be obtained. The internship and residency program is integrated with the University Hospital and the Veterans Administration Hospital. Fellowships are available in cardiology, cardiovascular research, hematology, infectious diseases, endocrinology and metabolism, gastroenterology, renal diseases, rheumatology, pulmonary disease, clinical nutrition and medical oncology. Teaching rounds and conferences are held daily for house officers and students. (Alfred Jay Bollet, M.D., and staff.)

Neurology

A fully approved 3 year residency in Neurology combines the facilities of the Talmadge and Augusta VA hospitals. The first year is spent on the wards and in the clinics, with a rotation on Neurosurgery. The second year consists of Pediatric Neurology, and rotations on Neuroradiology and Neuropathology. The final year as a senior resident offers a wide choice of electives, including opportunities in Neuropsychology, Neurophysiology, Neurochemistry, EEG, EMG, etc. The resident may participate in the community outreach programs sponsored by the Department of Neurology.

The goal of the Neurology residency program is to train clinically competent neurologists who will be equipped to make an original contribution to the knowledge of the nervous system, in either an academic setting or in clinical practice. Three residents are accepted each year. (Joseph B. Green, M.D.)

A training program in Pediatric Neurology is offered under the joint auspices of Pediatrics and Neurology, and supervised by 3 full time faculty members of the section of Pediatric Neurology (Paul R. Dyken, M.D.). Two types of programs are offered: a one year of fellowship (PL3) or a 5 year program (including internship) combining Pediatric, Adult Neurology and Pediatric Neurology training which meets the specialty board requirements.

Obstetrics and Gynecology

A four-year residency program is offered. Residents spend a minimum of three years in the department with progressive responsibility each year that fulfills the requirements for Board eligibility. One year may be spent outside the department and might include three month rotations through urology, endocrinology, medicine, general surgery, pathology and research. The program is academically oriented and designed to prepare the resident for clinical practice. Residents are expected to participate in student teaching and assist on research projects. The residency program rotations include both the Talmadge Hospital and the University Hospital. (William A. Scoggin, M.D.)

Ophthalmology

A three year residency program in ophthalmology is offered with training at the teaching hospital with rotations at University Hospital and the Veterans Administration Hospital. Training in all types of ophthalmic surgery is included. A basic science course in ophthalmology is part of the residency program. (Malcolm N. Luxenberg, M.D.)

Pathology

The training program offers one year of internship and up to five years of residency. The resident physician participates in the student teaching program, in the department's autopsy, surgical pathological and clinical pathological services; periods of part-time or full-time research are available to those who want them. Places are available to persons preparing for academic pathology or the practice of pathology, and to those who may desire a year or more of training in pathology in preparation for another discipline. Individualized programs that satisfy Board requirements and the individual's career goals are arranged in the Medical College teaching hospital and may include elected periods

in the Medical College affiliated University Hospital.

Pediatrics

The pediatric residency is of two years duration and together with the internship forms a coordinated three year program which fulfills the requirements for Board eligibility. Additional training is available in many of the subspecialty areas of pediatrics. (Alex F. Robertson, M.D.)

Psychiatry

The Department has a fully approved three year residency program in psychiatry. Detailed information about the program may be obtained on request. (E. James McCranie, M.D.)

Radiology

A three year residency program in radiology is offered with an internship as prerequisite. An alternate four year program without internship prerequisite is being developed. Separate programs in Nuclear Medicine, Radiation Therapy, and Diagnostic Radiology are also available. (Mark Brown, M.D.)

Surgery Residencies

General Surgery

An integrated program including the teaching hospital, University Hospital, and the Veterans Administration Hospital. This program is four, four and one-half, or five years in length, with prerequisite of one-year internship. There is graduated responsibility with a wide range of patient problems. Ten to 12 first-year residents, and four to six residents at each more advanced level. Not pyramidal. The first year of residency may be the straight surgical internship. (Arlie R. Mansberger, M.D.)

Neurosurgery

A five year training program with a prerequisite of one year internship of choice and one year general surgery or one straight surgical internship, five residents. Training includes clinical neurosurgery and microsurgery supplemented by on-service participation in neuroradiology and weekly conferences in neuropathology and off-service experiences in clinical neurology and combined neuroanatomy and neurophysiology as well as basic research. The teaching hospital, the University and Veterans Administration Hospitals participate in the training program. By special arrangement, the residents may receive graduate school credit while actively pursuing the neurosurgical residency. (Marshall B. Allen, Jr., M.D.)

Oral Surgery—Dentistry

An approved three year internship-residency program in oral surgery is offered at the Eugene Talmadge Memorial Hospital in conjunction with the University Hospital, the Veterans Administration Hospital and the School of Dentistry. The objective of the program is the education of a skilled clinician, competent in all phases of oral surgery practice, and capable of satisfying the requirements of the American Board of Oral Surgery. The educational requirements of the Board are advanced study in oral surgery for a period of three years, including comprehensive study of the basic biomedical sciences as they relate to oral surgery and a progressively gradulated se-

quence of approved hospital experience of not less than two years duration. The study of the biomedical sciences are presented throughout the three years in the form of regularly scheduled weekly instructional courses, conferences and seminars. Rotations on medicine and anesthesiology are provided during the period of training. (Richard G. Topazian, D.D.S.)

Orthopedic Surgery

The orthopedic program is a four year program which includes a period in the first year in general surgery. Experience and increasing responsibility is provided in the program in the basic science of orthopedics, fractures, children's and adult orthopedics, and reconstructive surgery. Affiliation with the Veterans and University Hospital is included. Long-term observation and comprehensive care are emphasized. Three residents are appointed each year. (Floyd E. Bliven, Jr., M.D.)

Thoracic Surgery

A two or three year program. Prerequisites include internship and four years of general surgery residency (with chief residency). Primarily in teaching hospital with rotations through Memorial Hospital, Savannah, Ga., and Veterans Administration Hospital, Augusta. Four residents. (Robert G. Ellison, M.D.)

Urology

A three year program with prerequisites of one year internship and one year in a field basic to urology (usually a year in general surgery). It is served in the teaching hospital and at the Veterans Administration Hospital. Six residents. (Roy Witherington, M.D.)

Continuing Medical Education

The objective of continuing education is to preserve and increase professional knowledge and competence throughout the entire career of professional health workers. The program of Continuing Medical Education in close cooperation with the departments in the School of Medicine and with the Division of Continuing Education has the responsibility for developing and promoting educational activities to assist professional health workers in maintenance and further development of their skills.

Types of Courses

1. Campus Symposia

Numerous courses lasting from one to five days are presented each year.

2. Physicians Continuing Education Series

In several selected cities throughout Georgia a series of one day medical symposia are presented each year.

3. Intermittent Courses

Each session of these courses usually lasts a few hours, and sessions are held at specified times over a period of months.

4. Special Technic Workshops

Workshops in laboratory, diagnostic and therapeutic procedures offer enrollees an opportunity to obtain practical experience.

5. Clinical Traineeships

Experience in wards or laboratories for periods of one week or longer.

is offered by special arrangement with the chairman of the department concerned and the Division of Continuing Education.

Program Announcements

Prior to each course, brochures describing the topics, faculty, meeting place, time, and registration fees are mailed to the group of professional health workers for whom the course was developed.

Credits

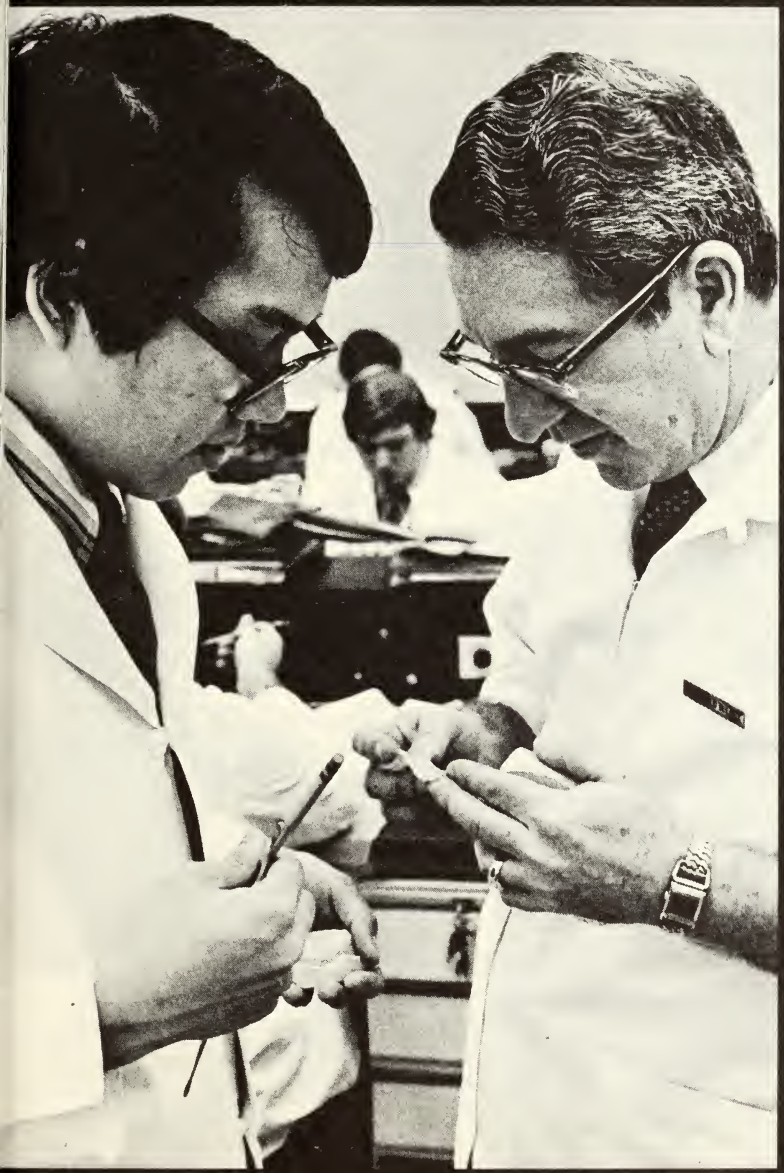
Instruction presented in this program is not designed to give credit toward specialty qualification or academic degrees. However, a record of attendance is maintained for the benefit of those individuals who attend these courses.

Attention is given to the requirements of the American Academy of Family Practice, and attendance at most courses is accepted for credit by the Academy.

Fees

The enrollment fees for continuing education courses are listed separately for each course and are based on guest faculty participation, hours of instruction, and equipment required.

Residents, interns, medical students, and College faculty may attend most courses without fees. Certain courses are restricted and have limited enrollment. (Glen E. Garrison, M.D.)



The School of Dentistry

School of Dentistry Calendar 1973–74

Fall Quarter, 1973

September 5, 1973	Registration for first year students
September 10-28, 1973	Orientation for first year students
October 1, 1973	Classes begin for students
October 1, 1973	Registration for second, third and fourth year students
November 22–23, 1973	Thanksgiving Holidays
December 14, 1973	Classes end—Christmas Holidays begin

Winter Quarter, 1974

January 2, 1974	Classes begin for students
January 3, 4, 5, 1974	Registration for students
March 15, 1974	Classes end

Spring Quarter, 1974

March 18, 1974	Classes begin for students
March 20, 21, 22, 1974	Registration for students
April 1–5, 1974	Spring recess
June 7, 1974	Classes end

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June 10–28, 1974 July 1–26, 1974	Summer recess

Summer Quarter, 1974

July 29, 1974	Classes begin for students
August 1, 1974	Registration for students
September 2, 1974	Labor Day Holiday
September 20, 1974	Classes end for students
September 20, 1974	Graduation

School of Dentistry

Dean: Judson C. Hickey, D.D.S., M.Sc.

Associate Deans:

Davis E. Beaudreau, D.D.S., M.S.D.

George W. Burnett, D.D.S., Ph.D.

Thomas J. Zwemer, D.D.S., M.S.D.

Philosophy

Dentistry is one of the senior health professions, bonded to other health care professions by common goals and objectives. The dentist, the physician, and the health scientist share in contributing to the total health of the individual and his community.

The dentist, in this concept, must have specific knowledge of and skills in the diagnosis, prevention, and treatment of diseases associated with the oral cavity, as well as a biological understanding of oral health and disease in terms of total health and disease. Furthermore, he must be able to correlate both areas of knowledge to fulfill his role and effectively communicate with colleagues in all health professions.

An understanding of the scientific method is necessary for the dentist to evaluate proposed methods of diagnosis, prevention, and treatment and to aid in the development of new, sound and effective methods. Finally, he must have a sense of obligation to serve individual and community needs.

With these concepts representing its philosophy, the purpose of the College's School of Dentistry is to educate students to accept and to discharge competently the responsibilities of preserving individual and community health.

Objectives

The School of Dentistry has set before it the objectives of teaching, research, and service that are common to all institutions of higher learning. In specific relation to the School of Dentistry they may be stated as:

1. To educate dentists and the broad spectrum of allied personnel required to provide for the present and future oral health needs of the total community.
2. To foster and conduct active research programs in basic and applied areas of dentistry as well as supporting experimentation and innovations in the art and science of dental education.
3. To provide preventive, diagnostic, and therapeutic dental services to citizens of the State of Georgia in cooperation with other health and educational related organizations, and in accordance with the available physical facilities and teaching faculty of the School of Dentistry.

Fees and Expenses

Estimated Student Expenses Per Academic Year

	First Year (12 months)	Second Year (12 months)	Third Year (12 months)
Matriculation fee*	$1200	$1200	$1200
Student Health fee**	40	40	40
Student Activity Fee***	40	40	40
Books	175	100	50
Instruments	2000	250	150
Uniforms	20	20	20
Totals	**$3475**	**$1650**	**$1500****

(All fees are subject to change)

*Non-Resident Tuition (in addition to matriculation fee) is $300 per quarter.
**Student Health fee is $10 per quarter.
***Student Activity fee is $10 per quarter.
Proficient students who qualify for graduation after nine months of their third year should project third year expenses to be $1200 instead of $1500, for the full twelve-month period.

Additionally, estimated housing, food, and personal expenses were not included due to general individual variance. In developing a personal budget, do not fail to include these items. Information on hospitalization and life insurance is in the General Information section.

Admission Requirements

1) American Dental Association Admissions Test (given in October, January and April)
2) Personal Interview by invitation
3) Two years of college is a minimum, including completion of ten quarter hours (six semester hours) of the following college courses:

   Inorganic Chemistry with lab
   Organic Chemistry with lab
   Biology (or Zoology) with lab
   Physics with lab
   English

Great emphasis will be placed on academic performance during selection procedure. Majors in social sciences, psychology, and humanities will be given equal consideration with those in biology and physical sciences.

Application Procedure

Admission to the School of Dentistry is on a competitive basis. The Admissions Committee selects the applicants who seem best qualified for the study of dentistry from among those who apply. Application forms will be available July 1 in the Office of Student Affairs. Early application is encouraged.

Financial Aid

The Office of Financial Aid has prepared a Bulletin outlining its financial aid program, as well as other programs of assistance not directly administered by the College. This

may be obtained along with application materials by writing:

Office of Financial Aid
Medical College of Georgia
Augusta, Georgia 30902

Applications for aid are separate from admissions applications, i.e. one need not be officially accepted for admission before applying for assistance. Application materials should be submitted by May 1 prior to enrollment, although later applications will be processed on a "late" basis.

Curriculum

Design and Emphasis

The pre-doctoral curriculum offered by the Medical College of Georgia School of Dentistry will require twelve academic quarters in three calendar years and will lead to the D.M.D. degree. Exceptional students may be graduated in eleven quarters to allow for summer enrollment in post-graduate programs and internships. The curriculum will initially emphasize the basic sciences with an expanding emphasis upon the clinical sciences. Courses in the fundamental principles within each basic science discipline, coupled with early clinical exposure, will enable the student to make a lasting correlation of the basic and clinical sciences. The student's knowledge and familiarity with the basic sciences will be reinforced with applied courses in each discipline. This early and continuing correlation is designed to educate the student to respect biological systems and to develop a basic understanding of the response of tissue to stimuli.

The expanding needs of society health will be interrelated throughout the curriculum. Courses relating to principles of public health dentistry, epidemiology of caries and periodontal disease, statistical methods, behavioral aspects of patient populations, dental ethics, and jurisprudence will be a meaningful part of the curriculum. Practical field experiences will be arranged for dental students in epidemiologic, preventive, and other appropriate community activities. Preventive dentistry will be the over-riding theme of all clinical disciplines.

Individual Student Development

Each student will have opportunities for development and expression in specific areas of his interest and ability. Three weeks will be set aside each year in which elective courses and other structured situations will be available to *students* interested in academic pursuits. Students will be encouraged to contribute to the field of research and education. Those students demonstrating superior clinical ability and interest will be challenged with more complex technical and clinical problems. The student with motivation in the social aspects of the profession will be further challenged in preventive and community dentistry projects.

The Student and the Health Team

The use of auxiliary personnel will be stressed as a realistic method of preparing the student for the efficient practice of dentistry. The clinical design will simulate a group practice environment with dental assistants, hygienists, and technicians playing an active role in comprehensive patient care. The close academic and physical relationship with the School of

Medicine and the teaching hospital will provide an awareness of associated medical sciences and hospital orientation throughout all three years. This emphasis is desirable in preparing the student not only for contemporary practice, but for the future evolution of the profession.

The Student and Research

The dental student will have opportunity to participate in faculty research projects in both basic and clinical areas. He will be encouraged to design and carry out projects of his own as well. The student also will be encouraged to participate in graduate, post graduate, and continuing education courses offered at the College and other dental schools within the United States as a part of the elective program.

Methods of Instruction

The curriculum of the School of Dentistry will be structured around a learning-oriented environment rather than the traditional teaching-oriented situation. Seminars and conferences, taking precedence over the lecture as a vehicle to stimulate independent thought, will give opportunity for expression and interchange upon the part of each student. Self-instructional materials will be used whenever possible to individualize instruction and preparation.

Orientation—Three Weeks

Community Dentistry	36 Hours
Oral Medicine	36 Hours
Total Contact Hours =	72

First Quarter—Eleven Weeks

Occlusion	88 Hours
Restorative	88 Hours
Radiology	11 Hours
Oral Medicine	44 Hours
Periodontics	22 Hours
Human Biology	121 Hours
Student Conference (Unstructured—44 Hours)	22 Hours
Total Contact Hours =	396

Vacation—Two Weeks

Second Quarter—Eleven Weeks

Occlusion	77 Hours
Restorative	88 Hours
Periodontics	28 Hours
Oral Medicine	27 Hours
Statistics and Developmental Genetics	22 Hours
Human Biology	121 Hours
Continuing Education	8 Hours
Radiology	11 Hours
Student Conference (Unstructured—44 Hours)	22 Hours
Total Contact Hours =	404

Vacation—One Week

Third Quarter—Eleven Weeks

Restorative	88 Hours
Occlusion	44 Hours
Endodontics	44 Hours
Periodontics	26 Hours
Pain Control	22 Hours
Radiology	11 Hours
Human Biology	132 Hours
Treatment Planning	7 Hours
Student Conference (Unstructured—44 Hours)	22 Hours
Total Contact Hours =	396

Vacation—Three Or Four Weeks

Fourth Quarter—Eleven Weeks

Pedodontics	22 Hours
Clinic	88 Hours
Enrichment	143 Hours
Human Biology	121 Hours
Cephalometrics	22 Hours
Mixed Dentition	22 Hours
Treatment Planning	22 Hours
Total Contact Hours =	440

Vacation—One Week

Fifth Quarter—Eleven Weeks

Fixed Prosthodontics	88 Hours
Restorative	44 Hours
Open Clinic	55 Hours
Oral Medicine	11 Hours
Occlusion	22 Hours
Endodontics	6 Hours
Periodontics	33 Hours
Human Biology	110 Hours
Pedodontics	11 Hours
Radiology	5 Hours
Student Conference (Unstructured—44 Hours)	11 Hours
Total Contact Hours =	396

Vacation—One Or Two Weeks

Sixth Quarter—Ten Weeks

Removable Partial Dentures	120 Hours
Open Clinic	50 Hours
Occlusion	20 Hours
Pedodontics	10 Hours
Periodontics	40 Hours
Human Biology	100 Hours
Continuing Education	8 Hours
Oral Medicine	10 Hours
Student Conference (Unstructured—40 Hours)	10 Hours
Total Contact Hours =	368

Community Dentistry Week—36 Hours

Vacation—One Week

Seventh Quarter—Eleven Weeks

Complete Dentures	143 Hours
Open Clinic	66 Hours
Oral Medicine (Physical Diagnosis)	22 Hours
Periodontics	22 Hours
Occlusion	22 Hours
Human Biology	77 Hours
Patient Management and Sedation	11 Hours
Practitioner Orientation	22 Hours
Student Conference	11 Hours
(Unstructured—44 Hours)	
Total Contact Hours =	396

Vacation—Four Weeks

Eighth Quarter—Eleven Weeks

Clinic	154 Hours
Enrichment	154 Hours
Human Biology	110 Hours
Practitioner Orientation	22 Hours
Total Contact Hours =	440

Vacation—One Week

Ninth Quarter—Ten Weeks

Open Clinic	200 Hours
Prosthodontics	50 Hours
Oral Surgery	20 Hours
Orthodontics	40 Hours
Oral Biology	60 Hours
Oral Medicine—Internal Medicine	20 Hours
Continuing Education	8 Hours
Student Conference	10 Hours
Total Contact Hours =	408 Hours

Community Dentistry Week—36 Hours
Vacation—Two Weeks

Tenth Quarter—Eleven Weeks

Open Clinic	176 Hours
Oral Surgery	33 Hours
Patient Management	22 Hours
Special Hospital Clinics	44 Hours
Occlusion	44 Hours
Oral Biology	66 Hours
Continuing Education	8 Hours
Ceramics	44 Hours
Student Conference	11 Hours
Total Contact Hours =	448

Vacation—One Week

Eleventh Quarter—Eleven Weeks

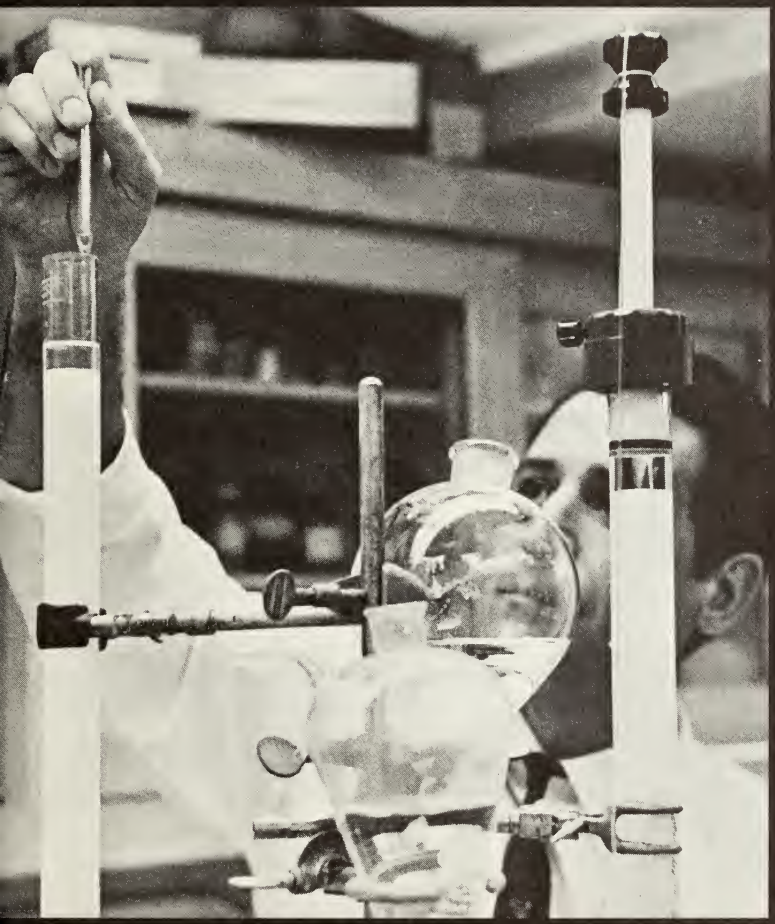
Open Clinic	220 Hours
Oral Surgery	8 Hours
Occlusion	44 Hours
Peridontics	22 Hours
Patient Management	22 Hours
Oral Biology	60 Hours
Clinical Seminars	33 Hours
Continuing Education	8 Hours
Oncology	20 Hours
Student Conference	11 Hours
Total Contact Hours =	448

Vacation—Four Weeks

Twelfth Quarter—Eleven Weeks

Clinic	396 Hours
Bioclinical Seminar	44 Hours
Total Contact Hours =	440

Note: All courses listed are subject to continuous revision.



The School of Graduate Studies

School of Graduate Studies Calendar 1973—74

Fall Quarter, 1973

August 9	Last day to file applications for new admission
September 6	Advisement and pre-registration
September 7	Registration
September 10	Orientation by Dean of Graduate Studies, 10:00 A.M.
September 10	Graduate Student Association Meeting, 1:00 P.M.
September 11	Classes begin
September 25	Last day for late registration and class changes
October 22–26	Advisement and pre-registration for Winter Quarter
October 25	Midterm
October 25	Last day to drop a course without penalty
November 22–25	Thanksgiving Recess
November 30	Last day of classes
December 3–7	Examinations
December 7	Term ends

Winter Quarter, 1974

December 7	Last day to file applications for new admissions
January 2	Registration
January 3	Classes begin
January 7	Last day for late registration and class changes
February 4–8	Advisement and pre-registration for Spring Quarter
February 6	Midterm
February 6	Last day to drop a course without penalty
March 13	Last of classes
March 14–16, 18–20	Examinations
March 20	Term ends

Spring Quarter, 1974

February 22	Last day to file applications for new admissions
March 25	Registration
March 26	Classes begin
March 29	Last day for late registration and class changes
April 26	Midterm-Dissertation/Thesis Approval Form Due in School Office
April 26	Last day to drop a course without penalty
April 29–May 3	Advisement and pre-registration for Summer Quarter
May 30	Last day of classes
May 31–June 3–6	Examination
June 6	Term ends
June 8	Graduation

Summer Quarter, 1974

May 17	Last day to file applications for new admission
June 12	Registration
June 13	Classes begin
June 18	Last day for late registration and class changes
July 4	Independence Day Holiday
July 15	Midterm
July 15	Last day to drop a course without penalty
July 22–26	Advisement and pre-registration for Fall Quarter
August 16	Last day of classes
August 19–23	Examinations
August 23	Term ends

School of Graduate Studies

Dean: Edward Bresnick, (Acting)

The School of Graduate Studies is the administrative unit dealing with graduate study. The graduate program is administered by the Dean of the School of Graduate Studies. The office of the School of Graduate Studies is located in Room 2-E4, Sanders Research and Educational Building. Correspondence or inquiries should be sent to: School of Graduate Studies, Medical College of Georgia, Augusta, Georgia 30902.

Council: The Graduate Council is composed of faculty members appointed by the Dean to represent each of the fields participating in the graduate program. The Council advises the Dean in formulating policies and regulations which govern graduate work.

Faculty: The members of the graduate faculty are indicated by an asterisk preceding their names in the General Faculty list in the back of the Catalog.

Graduate Student Association: This organization has been formed to represent the will of the graduate students within the framework of the School and the Medical College of Georgia. All graduate students are urged to participate.

Objectives

The primary goals of the School of Graduate Studies are to help provide excellence of education on the graduate level in human biology for those interested in careers in health science professions; to supply leadership in basic research in areas of human biology so as to provide a firm foundation for the conquest of disease; and to provide academicians to man health science professional schools.

It offers the superior student an opportunity to realize the full extent of his capabilities and to gain the intimate acquaintanceship with the fundamental concepts of his field that will enable him to achieve the highest degree of competence in his chosen discipline.

Degrees

The College is authorized by the Board of Regents of the University System of Georgia to grant advanced degrees through its School of Graduate Studies.

Since graduate study is a full time endeavor in a program that is expensive in terms of faculty and other crucial resources, primary consideration will be given to those applicants having as their career objectives the completion of a course of study leading to the Doctor of Philosophy degree or a professional Master's degree at the College.

Master of Science in Oral Biology degree programs

1. A DMD or DDS degree or equivalent from a recognized School of Dentistry or its equivalent.
2. Adequate preparation in the field of proposed graduate study, as determined by the faculty of Oral Biology.
3. Satisfactory scores on the Aptitude Test and the Advanced Test of the Graduate Record Examination.
4. A satisfactory physical examination.

Doctor of Philosophy

This advanced degree is not conferred solely as a result of a prescribed period of study nor will it be conferred upon the completion of any definite amount of work described in advance. Rather, it will be conferred in recognition of proficiency in research, breadth and soundness of scholarship, and thoroughness of acquaintance with a specific field of knowledge as determined by the faculty. Evidence of such attainment must be provided through the passing of such written and oral examinations as may be required and through the presentation of an acceptable dissertation based upon independent research. This degree will be conferred on candidates who have met the requirements in the fields of Anatomy, Biochemistry, Endocrinology, Microbiology, Pharmacology or Physiology.

Doctor of Philosophy-Doctor of Medicine

This program offers the unusual candidate an opportunity to obtain both degrees with research work being performed in the Basic Sciences. The requirements are similar to those described above.

Master of Science

This advanced general degree is a research degree and will be conferred on candidates who have met requirements in the fields of Anatomy, Biochemistry, Endocrinology, Microbiology, Oral Biology, Pharmacology, and Physiology.

Master of Science in Medical Illustration

This advanced professional degree will be conferred on candidates who have met requirements in the field of Medical Illustration.

Requirements for Admission

The following are required of each applicant for admission to the School of Graduate Studies.

The Doctor of Philosophy and Master of Science degree programs

1. A bachelor's degree or equivalent from an accredited college or university.
2. Adequate preparation in the field of proposed graduate study, as determined by the faculty in that field. (See individual department)
3. Satisfactory scores on the Aptitude Test and the Advanced Test of the Graduate Record Examination. (The Medical College Aptitude Test (MCAT), or its Dental School Equivalent may substitute for the GRE).
4. A satisfactory physical examination.

The Master of Science in Medical Illustration degree program

1. A Bachelor of Science in Medical Illustration degree conferred by the College or an equivalent degree, in Medical Illustration as determined by the faculty in the Department of Medical Illustration. (See information under "Curriculum and Application" in the Medical Illustration section of the School of Allied Health Sciences.
2. A satisfactory admission examination.
3. A satisfactory physical examination.

Combined Master of Science-Doctor of Medicine and Doctor of Philosophy-Doctor of Medicine degrees programs

Applicant must be enrolled in the School of Medicine and should be in the process of completing, in good standing, his first or second year of the medical curriculum. He will require two letters of recommendation from the faculty of the School of Medicine. In addition, a written communication should be received from the applicant's draft board indicating that his enrollment in the M.S.-M.D. or Ph.D.-M.D. programs will not jeopardize his draft status as a medical student. The requirements for the combined degree programs are not substantially different from those of the individual degree programs.

Admission of Foreign Students

Graduates of foreign colleges and universities who meet the standards of admission as those described above may be considered for admission. Those interested should identify the country of citizenship and the desired field of study in an initial communication. In addition to the other entrance materials, the applicant must submit the result of the Test of English as a Foreign Language. Arrangements for this examination can be made by requesting information concerning examination and locations of examinations from the Educational Testing Service, Princeton, New Jersey 08540. Foreign applicants must start the process of securing admission at least six months before the beginning of the desired time of acceptance.

Application Procedures

Send (or direct) all application materials (application form, application supplement, transcripts, physical examination report and GRE scores) and requests for financial aid to the Dean, School of Graduate Studies. A complete application consists of the following four items.

1. Complete Application Form and Application Supplement Form for those Seeking Admission to the School of Graduate Studies.

Make certain that in the References Section you give the names and complete addresses of three professors qualified to assess your potential as a graduate student in the field you have selected. In addition, if you have already undertaken some graduate study, also give the name(s), title(s) and complete address(es) of the head(s) of the department(s) where you have been or are a graduate student. The School of Graduate Studies office will send Reference Report forms directly to the persons you designate. Make certain you include your social security number in the space provided (foreign nationals exempted) and that you complete both forms. Submission of a photograph is optional with the applicant.

2. Transcripts

Official transcripts of all previous and current college, graduate or professional studies must be received before applications are considered. Transcripts must be received directly from schools attended.

3. Physical Examination Report

Request the examining physician to make his report on the form supplied. Physical examination reports must be received directly from the physician making the examination.

4. Graduate Record Examination (GRE) Scores

The Aptitude Test and Advanced Test (either chemistry or biology) scores are required of all applicants except as follows: Applicants to the Master's program in Medical Illustration are required to take an Admission test administered by the Department of Medical Illustration in place of the Graduate Record Examination. Applicants should take the GRE in their senior undergraduate year as early as possible, preferably at one of the Fall administrations rather than Winter or Spring administrations. The Medical College Aptitude Test (MCAT) or the Dental Admissions Test (DAT) may substitute for the GRE. The GRE scores (or MCAT or DAT) should be forwarded to the Dean, School of Graduate Studies.

Final selection of students for admission is subject to the discretion of the Dean of the School of Graduate Studies. Letters of acceptance will be sent by the Dean.

Registration

The academic program of the student is planned in consultation with the student's major advisor or with the student's major department chairman before selection of a major advisor. All students then begin registration at the School of Graduate Studies office before completion of registration at the Registration Center. Changes in registration are recognized and valid only if they have been made with the consent of the major advisor, the Dean, and the Registrar.

An applicant's registration and class attendance constitute an agreement on the part of the applicant to comply with the rules and regulations of the College as published in the Catalog and other official publications of the College during the student's continued enrollment.

A student's continued enrollment in the School of Graduate Studies is subject to the decision by the Dean and other designated officers that academic grades and progress are satisfactory, that rules of the College are being complied with, and that the best interest of the school and of other students are being served.

Auditors may take graduate courses, but no academic credit is allowed. Auditors pay usual tuition and laboratory fees.

Fees and Expenses

Please see General Information section on Fees and Expenses, and for additional information on deposits, housing, insurance, fees and other costs.

Fees for graduate students enrolled for 12 quarter hours or more:

Matriculation Fee—**$145 per quarter.**

Non-Resident Fee (in addition to Matriculation Fee)—**$240 per quarter.** See General Information on State Residence Policy.

Fees for graduate students enrolled for less than 12 quarter hours:

Matriculation Fee—**$12 per quarter hour.**

Non-Resident Fee (in addition to Matriculation Fee) for students enrolled less than 12 quarter hours—**$20 per quarter hour.**

Scholastic Regulations

Classifications of Graduate Students

Students may be admitted to the School of Graduate Studies under either of the following classifications:

1. Regular Graduate Student. A student who is admitted to the School of Graduate Studies, and who wishes to earn an advanced degree. Such a student, however, is not specifically considered either a Doctoral or Master's student until he or she has met the requirements for candidacy for a particular degree. (See degree requirements below).
2. Special Graduate Student. A student who is admitted to the School of Graduate Studies and who does not wish to earn an advanced degree, or who is admitted conditionally and who may later be re-classified as a Regular Graduate Student upon satisfaction of such conditions as may be specified. Transfer from this category to "Regular Graduate Student" status is not automatic.

Examinations

Re-examinations especially in the Comprehensive, Preliminary, or Final Oral Examinations may be allowed if recommended by the examining committee and if the Dean concurs.

Grades

All credit is expressed in quarter hours. An academic year is composed of three quarters. A student must maintain an average of 3 or better (or Cr on 900 courses) in his chosen discipline. Only those other courses for which a grade of 2 or better is received may be credited toward satisfaction of any degree requirement. Students who receive the grade Incomplete will have one quarter in which to complete the work for the course and remove this grade or it will be changed to "0" automatically at the end of the first quarter following receipt of the "In". Students needing more than one quarter to remove the Incomplete must have written permission of the instructor with the concurrence of the Dean to present to the Registrar. Continuation of study in good standing in the School of Graduate Studies is contingent on the maintenance of a minimum cumulative weighted quality point average of 2.8 in the 600, 700, 800 courses. A student whose quality point average falls short of 2.8 will be automatically placed on academic probation in which case the student must maintain a weighted quality point average greater than 3.0 on 600, 700, and 800 courses for two consecutive quarters, in order to remove the probation. A graduate student will not be eligible for graduation unless his official College transcript shows that he has an overall weighted quality point average of 2.8 on all the 600, 700, and 800 (graduate) courses that he has taken at this institution.

The Graduate School discourages the retaking of courses to improve grades. Courses may be retaken only after approval of a petition to the Dean. Permission of the course instructor and department chairman is required before submission of the petition.

Grading System for the School of Graduate Studies

Grade	Description	Quality Points
For 600, 700 and 800 courses		
4	Passing, work of very good or excellent quality.	4
3	Passing, work of good quality, commendable, but not outstanding.	3
2	Passing, work of acceptable but not commendable quality. A majority of the student's grades must be above 2.	2
0	Failing, work of unsatisfactory quality.	0
For 900 courses		
Cr	Credit for participation in seminar (901-2-3) or credit for conduct of research (921 or 930)	Not computed
In	Incomplete	Not computed
Ncr	Performance in seminars or research of such quality that no credit is given.	Not computed
W	Withdrawn	Not computed

Acceptance of Graduate Credit by Transfer

Transfer of graduate credit is never automatic; any credits transferred do not reduce the residence requirement for any advanced degree.

In the case of a prospective Ph.D. candidate entering the School of Graduate Studies with a Master's degree from another institution, the candidate shall pass an examination on his major subject and thesis during the first quarter of residence if credit for any pertinent portion of the Master's coursework (30 quarter hours maximum usually allowed) is to be applied to the Ph.D. The transfer of any course work beyond the Master's level is a matter for negotiation between the student, his Advisory Committee, his major department and the Dean. In general, no more than 60 quarter hours may be transferred toward the Ph.D., under any circumstances.

At the discretion of the Dean and the faculty of the major department, up to ten quarter hours credit toward a Master's degree may be transferred.

M.S.-M.D. degree: A maximum of 15 quarter hours may be transferred as a result of satisfactory completion of the first (or second) year of the medical curriculum, as recommended by the candidate's Advisory Committee to the Dean.

In all cases any graduate coursework to be transferred must have the final approval of the Dean.

Major Advisor

Upon admission to a degree program a major advisor is selected who will serve as chairman of the Student's Advisory Committee. It is necessary that the student confer with the department chairman or his major advisor prior to his first enrollment in graduate work. The chairman or advisor must approve, prior to the student's enrollment, any course to be counted toward a degree.

Advisory Committee

An advisory committee will have the student's major advisor as chairman. At the proper time the chairman of the committee, after consultation with the student, will suggest to the department chairman the names of additional members of the faculty to serve as members of the student's Advisory Committee. One or two members of the committee will be from outside the student's major department. The department chairman will recommend the committee to the Dean and upon his concurrence, the committee will then be formally appointed.

This committee will guide the student in planning his program of study and research. The student submits his program of study (coursework outline) to his Advisory Committee which will review it and indicate what modifications, if any, are necessary. This committee also will review, suggest revisions, and approve the student's plan of research (research proposal form). All programs of study and the research plans are to be reviewed by the Advisory Committee before being submitted to the Dean for approval.

The readers' copies of the student's Dissertation or Thesis will be distributed to the members of this committee, who will inform the Dean (Dissertation/Thesis approval form) whether or not they find it acceptable for the purpose of administering the Final Oral Examination. The Dissertation/Thesis approval form is due in the Dean's office six weeks

prior to graduation. The Advisory Committee will have the responsibility for administering the Final Oral Examination in consultation with the Dean. The Dean will be kept fully informed of the student's progress and receive the recommendation of the committee prior to each step in the process. The Advisory Commitee will have the responsibility for administering the Preliminary Examination along with the involved department. (See Degree Requirements, Doctor of Philosophy.)

Residence and Time Limit

The minimum requirement for the Doctor of Philosophy degree is three full academic years beyond the Bachelor's degree which cannot be satisfied through summer work alone. At least three full consecutive quarters immediately prior to completion of degree requirements must be spent in residence on the campus. If the student has part-time duties (employment or a teaching assistantship), the residence requirements will be increased accordingly to provide the equivalent of three quarters of full-time study in residence. All coursework and other requirements for the Doctor of Philosophy degree except the Final Oral Examination must be completed within six consecutive calendar years.

The minimum residence requirement for all Masters' degrees is one full academic year. All work credited toward a Master's degree must be completed within five consecutive calendar years.

Financial Aid

Fellowships, Traineeships, Assistantships

The fellowships and assistantships offered by the School of Graduate Studies are listed below. Further information concerning them is available from the School of Graduate Studies' office. Students should also write for the Student Financial Aids Bulletin. (See General Information.)

Medical College of Georgia Graduate Teaching Assistantships

These carry stipends of $250 per month and are awarded to outstanding students. Holders of these fellowships are required to enroll for not less than 12 hours per quarter. A minimum of one-third time in service is required.

National Defense Education Act Graduate Fellowships

These carry a stipend of $2400-$2800 per year plus a dependency allowance and provide Medical College of Georgia fees. Holders of these fellowships are required to enroll for full-time graduate study.

Requirements for Graduation

Doctor of Philosophy

1.
Graduate Study / A minimum of three academic years of full-time graduate study beyond the Bachelor's degree is required.

2.
Residence / A minimum of three consecutive quarters of full-time study or the equivalent in residence on this campus is required.

3.
Program of study and Research Proposal / A program of study for the Ph.D. and research plan proposed as the basis for a dissertation which has been approved by the

student's Advisory Committee and the Dean is required.

4.

Foreign Languages and Research Techniques / The student must demonstrate a knowledge of two appropriate tools of research. He may offer two modern languages; French, German and Russian are recommended. Another language or a research technique chosen from computer programming language or mathematical methods may be substituted if it has greater relevance to the candidate's program of study and is recommended by his advisory committee. The native language may not be used to fulfill a language requirement; foreign students may be permitted to substitute English to satisfy one foreign language requirement.

5.

Preliminary Examination / Satisfactory performance on the Preliminary Examination is required. This examination is a rigorous and comprehensive test of a student's scholarly competence and knowledge, of his acquaintance with the scholarship in his field, and of his powers of bibliographical criticism. It is the joint responsibility of the student and his advisor, when, in their opinion, the student is prepared to take this examination, to petition the Dean in writing. The student must have submitted an approved program of study (coursework outline) for the Ph.D. before eligible to take the Preliminary Examination. The examination will be composed of four written portions given on successive days and it may have a final oral portion. The written portion of the examination will be prepared by the student's Advisory Committee under departmental supervision, will be administered by the department under the supervision of the Dean, and will be evaluated by the student's committee. The evaluation will be certified by the department chairman and the Dean. The student's major Advisor will inform the Dean with regard to scheduling the oral portion of the examination. The department chairman and the Dean are **ex officio** members of the student's committee.

In the event of failure, the Preliminary Examination may be taken only once more after not less than six months of further study, if recommended by a majority of the examining committee and if the Dean concurs.

6.

Admission to Candidacy for the Doctor of Philosophy Degree / A student will be admitted to candidacy for this degree by the Dean of the School of Graduate Studies when he has met requirements 3, 4 and 5 for this degree. A student may take various courses after admission to the School of Graduate Studies, but there is no commitment that these courses will be credited toward a degree until he is admitted to candidacy for an advanced degree. A student must be eligible for candidacy for the Ph.D. at least three quarters before the proposed graduation date.

7.

Application for Graduation / Each candidate for a graduate degree must apply for graduation at the School of Graduate Studies' office and pay the appropriate diploma fee to the Registrar.

8.

Dissertation / A dissertation based on original investigation which gives evidence of independent thinking, scholarly ability and critical judgment, and indicates familiarity with research methods and techniques is required. Directions for preparation of the dissertation are available in the School of Graduate Studies' office. At least

2 months before the proposed date of graduation, three typewritten readers copies of the complete dissertation must be submitted to the chairman of the student's Advisory Committee. At least six weeks before the proposed date of graduation, the Dissertation Approval Form signed by the chairman and the committee indicating that the members of the committee have read the readers copy of the dissertation and find it acceptable for the purpose of examining the student will be forwarded to the Dean. The student will be held responsible, under the supervision of the chairman, for making all changes recommended by the committee.

9.

Final Oral Examination / Satisfactory performance on the Final Oral Examination in which the student defends his dissertation before his Advisory Committee is required. This examination is based primarily on the dissertation and the field of knowledge that constitutes the student's major subject. This examination is open to the public and all members of the Faculty are invited to attend. After a successful Final Oral Examination, three final copies of the dissertation must be deposited with the School of Graduate Studies at least 1 week prior to graduation. Each copy must bear the approval signature of the major advisor (chairman of the Advisory Committee) and the Dean.

10.

Satisfactory fulfillment of any additional requirement of the student's major department, or the institution is required.

Additional requirements: Before a student's name can be included on the Ph.D. list, he is required to complete a survey form for the Office of Scientific Personnel of the National Research Council. The completed form is obtained from and submitted to the School office.

Doctor of Philosophy-Doctor of Medicine:

1.

Graduate Study and Residence: It is anticipated that the Ph.D.-M.D. program will require 6 years.

2.

Program of Study and Research Proposal: Within the first three months after enrollment as a Ph.D.-M.D. candidate, an Advisory Committee will be established with his major professor as its chairman. The Advisory Committee will consist of four individuals in addition to the major professor, with a representative from at least one other department. The Committee will plan and direct the student's program of study and research. A program of study and research plan proposed as the basis for a dissertation which has been approved by the student's Advisory Committee and the Dean is required.

3.

Research Tools: Reading knowledge of two foreign languages is required. French, German, English and Russian are recommended. Another language, a demonstrated ability to communicate (program) in a computer language or the ability to apply advanced statistics may be substituted if it has greater relevance to the candidate's program of study, but such substitution must be recommended by the Advisory Committee and approved by the Dean. The native language of the candidate may not be used to fulfill a language requirement.

4.

Preliminary Examination: Satisfactory performance on the Preliminary Examination is required. This examination is a rigorous and comprehensive test of

a student's scholarly competence and knowledge, of his acquaintance with the scholarship in his field, and of his powers of bibliographical criticism. It is prepared by the Department involved and the student's Advisory Committee, approved by the Dean and administered by the Department. It will be composed of four written portions, given on successive days and may have a final oral portion. It is the student's responsibility, when in his judgment he is prepared to take this examination, to petition the School of Graduate Studies office in writing for its administration.

A student must have submitted an acceptable program of study for the Ph.D. before he is eligible to take the Preliminary Examination.

5.

Admission to Candidacy for the Doctor of Philosophy Degree: A student will be admitted to candidacy for this degree by the Dean of the School of Graduate Studies when he has met requirements 2, 3, and 4 for this degree. A student may take various courses after admission to the School of Graduate Studies, but there is no commitment that these courses will be credited toward a degree until he is admitted to candidacy for an advanced degree.

6.

Application for Graduation: Each candidate for a graduate degree must apply for graduation and pay the appropriate diploma fee.

7.

Dissertation: A dissertation based on original investigation which gives evidence of independent thinking, scholarly ability and critical judgment and indicates familiarity with research methods and techniques is required. Directions for preparation of the dissertation are available in the School of Graduate Studies office. At least four weeks before the proposed date of graduation, three typewritten copies of the completed dissertation must be submitted to the School of Graduate Studies. These are then submitted to the members of the Advisory Committee who, after reading the dissertation, will notify the Dean whether they find it acceptable for the purpose of examining the student.

8.

Final Oral Examination: Satisfactory performance on the Final Oral Examination in which the student defends his dissertation before his Advisory Committee and Department is required. This examination is based primarily on the dissertation and the field of knowledge that constitutes the student's major subject. This examination is open to the public and all members of the Faculty are invited to attend. After a successful Final Oral Examination, three final copies of the dissertation must be deposited with the School of Graduate Studies. Each copy must bear the approval signatures of the Major Professor (chairman of the Advisory Committee) and the Dean.

Master of Science

1.

Graduate Study / Forty-five quarter hours of graduate study beyond the Bachelor's degree is required. A minimum of thirty quarter hours must be allocated to graduate coursework in or related to the major field, at least ten of these hours to be in "800 level" courses.

2.

Residence / A minimum of three consecutive quarters of full-time study or the equivalent in residence on this campus is required.

3.

Program of Study and Research Proposal / A program of study and a research plan proposed as a

basis of a thesis, which has been approved by the Advisory Committee and the Dean is required.

4.

Foreign Language / Reading knowledge of one foreign language is required. French, German, and Russian are recommended. Another language or a research technique chosen from computer programming language or mathematical methods may be substituted if it has greater relevance to the candidate's program of study and is recommended by his Advisory Committee. The native language of the candidate may not be used to fulfill a language requirement; foreign students may be permitted to substitute English to satisfy the foreign language requirement.

5.

Admission to Candidacy for the Master of Science Degree / A student will be admitted to candidacy for this degree by the Dean of the School of Graduate Studies when he has met requirements 3 and 4 for this degree. A student may take various courses after admission to the School of Graduate Studies, but there is no commitment that these courses will be credited toward a degree until he is admitted to candidacy for an advanced degree. A student must be eligible for candidacy for the M.S. at least one quarter before the proposed graduation date.

6.

Comprehensive Examination / Satisfactory performance on a comprehensive examination covering the major field of the student is required. This examination is administered by the faculty of the student's major department or the office of the Dean. The examination must be passed at least one quarter before the proposed date of graduation. The Dean will be notified when the comprehensive examinations are to be given and be informed of the results regarding the status of each student taking the examination on the Comprehensive Examination Form. These examinations may be written, oral, or both.

7.

Application for Graduation / Each candidate for a graduate degree must apply for graduation at the School of Graduate Studies' office and pay the appropriate diploma fee to the Registrar.

8.

Thesis / A thesis based on original investigation is required. Directions for preparation of the thesis are available in the School of Graduate Studies' office. At least two months before the proposed date of graduation, three typewritten readers copies of the completed thesis must be submitted to the chairman of the student's Advisory Committee. At least six weeks before the proposed date of graduation, the Thesis Approval Form signed by the chairman and the committee indicating that the members of the committee have read the readers copy of the thesis and find it acceptable for the purpose of examining the student will be forwarded to the Dean. The student will be held responsible, under the supervision of the chairman, for making all changes recommended by the committee.

9.

Final Oral Examination / Satisfactory performance on the Final Oral Examination in which the student defends his thesis before his Advisory Committee is required. This examination is open to the public. After a successful examination, three copies of the final thesis must be deposited with the School of Graduate Studies at least one week prior to graduation. Each copy must bear the approved signatures of the major advisor

(chairman of the Advisory Committee) and the Dean.

10.
Satisfactory fulfillment of any additional requirements of the student's major department, or the institution is required.

Master of Science in Medical Illustration

1.
Graduate Study / Forty-five quarter hours of graduate study beyond the Bachelor's degree is required. A minimum of thirty quarter hours is to be allocated to coursework in or related to the major field.

2.
Residence / A minimum of three consecutive quarters of full-time graduate study or the equivalent in residence on this campus is required.

3.
Program of Study and Graphic Project Proposal / A program of study and an outline of the work proposed as a basis for a thesis or graphic project which has been approved by the Advisory Committee and the Dean is required.

4.
Admission to Candidacy for the Master of Science Degree in Medical Illustration / A student will be admitted to candidacy for this degree by the Dean of the School of Graduate Studies when he has met requirement 3 for this degree. A student may take various courses after admission to the School of Graduate Studies, but there is no commitment that these courses will be credited toward a degree until he is admitted to candidacy for an advanced degree. A student must be eligible for candidacy for the M.S.M.I. at least one quarter before the proposed graduation date.

5.
Application for Graduation / Each candidate for a graduate degree must apply for graduation at the School of Graduate Studies' office and pay the appropriate diploma fee to the Registrar.

6.
Thesis or Graphic Project / A thesis or graphic project is required. Directions for preparations of the thesis or graphic project are available in the School of Graduate Studies' office. At least four weeks before the proposed date of graduation, a readers copy of the completed thesis or project must be submitted to the chairman of the student's Advisory Committee. At least two weeks before the proposed date of graduation the Thesis Approval Form signed by the chairman and the committee indicating that the members of the committee have read the readers copy of the thesis or project and find it acceptable will be forwarded to the Dean. Before signing the approval form, each member of the student's committee will be given full opportunity to question informally the student concerning any portion of the thesis or project with regard to such particulars as choice of techniques, specific knowledge of content, or quality of presentation.

7.
Final Oral Examination / No formal oral in defense of the thesis or graphic project is required. This requirement should be satisfied as stated in 6. above. Three copies of the final thesis or graphic project must be deposited with the School of Graduate studies at least one week prior to graduation. Each copy must bear the approval signature of the major advisor (chairman of the Advisory Committee) and the Dean.

8.
Satisfactory fulfillment of any additional requirements of the student's major department or the institution is required.

Master of Science-Doctor of Medicine:

The M.S.-M.D. program is offered in the Departments of Anatomy, Cell and Molecular Biology (Biochemistry or Microbiology), Endocrinology, Pharmacology and Physiology. The courses offered by these departments have already been approved for graduate study and are listed in the Department's curriculum.

1.
Graduate Study: Forty-five quarter hours of graduate study are required of which a maximum of 15 quarter hours may be transferred as a result of satisfactory completion of the 1st (or 2nd) year of the medical curriculum. A minimum of 15 quarter hours must be allocated to advanced coursework (800 series) in or related to the major field. Fifteen additional quarter hours may be allocated to Seminar (901, 902, and 903), problem (921) and research (930). Coursework programs will be arranged on an individual basis.

2.
Residence: One full academic year in residence as a graduate student is required. It is anticipated that the minimum time for the combined M.S.-M.D. degree would be 4 ½ years.

3.
Program of Study and Research Proposal: Within the first 3 months of his enrollment as a M.S.-M.D. candidate, an Advisory Committee will be established with his major professor as its chairman. The Advisory Committee should consist of approximately four individuals in addition to the major professor with at least one representative from another department. This committee will plan the student's course of study. A program of study and a research plan, which will serve as the basis for a thesis, should be recommended by the candidate's Advisory Committee and approved by the Dean.

4.
Research Tools: A research tool is defined as a) reading knowledge of one foreign language, b) demonstrated ability to communicate in a computer language or c) ability to apply advanced statistics to a research program. The candidate must fulfill one of these requirements as suggested by his Advisory Committee and approved by the Dean of the School of Graduate Studies. A waiver of this requirement will also be entertained by the Dean if sufficient justification is offered by the candidate's Advisory Committee.

5.
Admission to Candidacy for the Master of Science Degree: A student will be admitted to candidacy for this degree by the Dean of the School of Graduate Studies when he has met requirements 3 and 4 for this degree. A student may take various courses after admission to the School of Graduate Studies, but there is no commitment that these courses will be credited toward a degree until he is admitted to candidacy for an advanced degree. A student must be eligible for candidacy for the M.S. at least one quarter before the proposed graduation date.

6.
Comprehensive Examination: Satisfactory performance on a comprehensive examination covering the major field of the student is required. This examination may be written, oral or both. The examination will be constructed by the department in concert with the Advisory Committee, approved by the Dean and administered by the department.

7.
Thesis: A thesis based on original investigation is required. Direc-

tions for preparation of the thesis are available in the School of Graduate Studies office. At least three weeks before the proposed date of graduation, three typewritten copies of the completed thesis must be submitted to the members of the Advisory Committee who, after reading the thesis, will notify the Dean whether they find it acceptable for the purpose of examining the student.

8.

Final Oral Examination: Satisfactory performance on the Final Oral Examination in which the student defends his thesis before his Advisory Committee is required. This examination is open to the public. After a successful examination, three copies of the final thesis must be deposited with the School of Graduate Studies. Each copy must bear the approval signatures of the major professor (Chairman of the Advisory Committee) and the Dean.

9.

Satisfactory fulfillment of any additional requirements of the student's major department or the institution is required.

Master of Science in Oral Biology:

1.

Graduate Study: Forty-five quarter hours of graduate study beyond the Bachelor's degree is required. A minimum of fifteen quarter hours must be allocated to advanced coursework (800 series) in or related to the major field. No course of the 600-700 series or an equivalent course, nor any course that the student used to satisfy any requirement for a professional degree or an equivalent course may be used to satisfy this requirement. Thirty quarter hours of the required forty-five are to be allocated to seminars (901, 902, and 903), problems (921) and research (930) for the thesis.

2.

Residence: Two full academic years in residence is required.

3.

Program of Study and Research Proposal: A program of study and a research plan proposed as a basis of a thesis, which have been approved by the Advisory Committee and the Dean is required.

4.

Foreign Language: Reading knowledge of one foreign language is required. French, German, and Russian are recommended. Another language or a research technique chosen from computer programming language or mathematical methods may be substituted if it has greater relevance to the candidate's program of study and is recommended by his Advisory Committee. The native language of the candidate may not be used to fulfill a language requirement; foreign students may be permitted to substitute English to satisfy the foreign language requirement.

5.

Admission to Candidacy for the Master of Science Degree: A student will be admitted to candidacy for this degree by the Dean of the School of Graduate Studies when he has met requirements 3 and 4 for this degree. A student may take various courses after admission to the School of Graduate Studies, but there is no commitment that these courses will be credited toward a degree until he is admitted to candidacy for an advanced degree. A student must be eligible for candidacy for the M.S. at least one quarter before the proposed graduation date.

6.

Comprehensive Examination: Satisfactory performance on a comprehensive examination covering the major field of the student is required. This examination is

administered by the faculty of the student's major department or the office of the Dean. The examination must be passed at least one quarter before the proposed date of graduation. The Dean will be notified when the comprehensive examinations are to be given and be informed of the results regarding the status of each student taking the examination on the Comprehensive Examination Form. These examinations may be written, oral, or both.

7.

Application for Graduation: Each candidate for a graduate degree must apply for graduation at the School of Graduate Studies' Office and pay the appropriate diploma fee to the Registrar.

8.

Thesis: A thesis based on original investigation is required. Directions for preparation of the thesis are available in the School of Graduate Studies' office. At least two months before the proposed date of graduation, three typewritten readers copies of the completed thesis must be submitted to the chairman of the student's Advisory Committee. At least six weeks before the proposed date of graduation, the Thesis Approval Form signed by the chairman and the committee indicating that the members of the committee have read the readers copy of the thesis and find it acceptable for the purpose of examining the student will be forwarded to the Dean. The student will be held responsible, under the supervision of the chairman, for making all changes recommended by the committee.

9.

Final Oral Examination: Satisfactory performance on the Final Oral Examination in which the student defends his thesis before his Advisory Committee is required. This examination is open to the public. After a successful examination, three copies of the final thesis must be deposited with the School of Graduate Studies at least one week prior to graduation. Each copy must bear the approved signatures of the major professor (Chairman of the Advisory Committee) and the Dean.

10.

Satisfactory fulfillment of any additional requirements of the student's major department, or the institution is required.

Curriculum

Anatomy

Acting Chairman: Thomas F. McDonald

Faculty: L. Allen, McKenzie, Sharawy, Wellband

Recommended preparation: An undergraduate major in zoology or a major in chemistry or physics with a minor in zoology (at least three basic courses).

Departmental requirements: Anm 701, 702, 703, 807, and 812 are recommended courses in fulfillment of degree requirements in Anatomy.

Anm 701, 702 Gross Anatomy. (5 hours each)
A lecture and laboratory course which requires dissection of the human body.

Anm 703. Neuroanatomy. (4 hours.)
A study of the gross and microscopic structure of the human nervous system and organs of special sense.

Anm 801. Comparative Vertebrate Morphology. (5 hours.)
A course in which the systems of the vertebrate body are considered phylogenetically. Various representative vertebrate animals are dissected.

Anm 802. Comparative Vertebrate Histology. (4 hours.)
A comparative study of the vertebrate tissues and organs.

Anm 803. Cytology. (5 hours.)
Physico-chemical study of protoplasm, cellular constituents, and their role in cell physiology.

Anm 804. Cytology and Cytogenetics. (4 hours.)
Methods and mechanics of cell division, structure and function of chromosome, nuclear and chromosome chemistry, genes, chromosomal aberrations.

Anm 805. Endocrinology. (4 hours.)
Consideration of comparative vertebrate morphology, function and interrelationships of the endocrine glands. Laboratory work includes a problem.

Anm 806. Microanatomic Technique. (3 hours.)
Basic principles and practices employed in the preparation of tissues for histological and histochemical examination.

Anm 807. Embryology. (5 hours.)
A study of the fundamental principles of mammalian embryonic development. Subject matter includes germ cell formation, fertilization, implantation, placentation, and morphogenesis of the various systems of embryos of various ages.

Anm 809. Fetal and Infant Anatomy. (4 hours.)
Dissection and study of the newborn.

Anm 810. Analysis of Development. (3 hours.)
Seminar for the review and discussion of recent literature in morphogenesis designed to broaden the concept of problems in development and differentiation.

Anm 812. Anatomy and Physiology of the Nervous System. (4 hours.)
Gross and microscopic anatomy of the central and autonomic nervous system; consideration of current research and special equipment for physiological and anatomical investigation.

Anm 813. Histology. (8 hours.)
A study of the cells, tissues and the organs of man as related to their function.

Anm 814. High Resolution Microscopy. (5 hours.)
A course on the use of light and electron microscopy for studying cellular detail in biological specimens. Emphasis is placed on preparing tissues for high resolution microscope, on the proper operation of the light and electron microscope, on photomicrography, and on presentation of photographed material to an audience.

Anm 816. Histochemistry. (5 hours.)
Presentations of the basic aims, principles and procedures of histochemistry.

Anm 901, 902, 903. Seminar in Anatomy. (1 hour each.)

Anm 921. Investigation of a Problem. (Credit to be arranged.)

Anm 930. Research (for Dissertation or Thesis). (Credit to be arranged.)

Anm 940. Analysis and Preparation of Scientific Papers. (2 hours.)
A course designed to improve the individual scientist's writing in regard to directness, comprehensibility, logical organization and precision of expression. Each participant will prepare a short journal article or an equivalent piece of writing during the course.

Cell and Molecular Biology

Chairman: Edward Bresnick

Faculty: Abdel-Latif, Bard, Best, Bresnick, Brownell, Burnett, Candelas, Crounse, Denton, Dirksen, Gelfant, Glassman, Hall, E. Howard, J. Howard, Huisman, Leibach, A. Liebelt, R. Liebelt, McPherson, C. Roesel, Schuster, D. Scott, Singal, L. Smith.

Graduate Program in Biochemistry

Recommended preparation: Courses at the college level in physics, mathematics through integral calculus, biology, organic chemistry through qualitative organic and a year of physical chemistry.

Bch 801-802. Biochemistry. (3 hours each quarter, Fall and winter quarters each year.)
A course sequence covering the chemistry and reactions of the constituents of living matter, metabolism and control mechanisms in whole organisms, organs, cells and subcellular systems, metabolic patterns and biosynthetic pathways.

Bch 803. Topics in Biochemistry. (3 hours. Spring quarter.)
Advanced treatment of selected topics which vary yearly.

Bch 804, 805. Experimental Biochemistry. (3 hours each quarter. Winter and spring quarters each year.) The first course deals with the preparation and characterization of substances of biochemical significance. The second course includes experiments in biological oxidation, glucose metabolism, phosphatide and protein synthesis.

Bch 807. Chemical Kinetics. (3 hours. Fall quarter.)
Theories of reaction velocity and their application to the understanding of reaction mechanisms.

Bch 808. Physical Methods of Structure Determination. (3hours. Fall quarter.)
Use of physical methods (UV, IR, NMR, ORD, ESR) to determine the structure of biochemically important monomers and ploymers.

Bch 809. Physical Biochemistry. (3 hours.)
Structure, properties, energetics, kinetics with particular reference to biopolymers. Three lectures, one conference, assigned readings and calculations.

Bch 825, 826. Biochemical Disorders in Disease. (2 hours each.)
The application of biochemistry to the investigation of metabolic and degenerative diseases.

Bch 830, 831, 832. Organic Reaction Mechanisms. (3, 3 and 2 hours, respectively, to be taken in numerical sequence.)
Modern theories of organic chemistry with emphasis on reaction mechanisms of biochemical interest.

Cmb 901, 902, 903. Seminar in Biochemistry. (1 hour.)

Cmb 921. Investigation of a Problem. (Credit to be arranged.)

Cmb 930. Research (for Dissertation and Thesis). (Credit to be arranged.)

Graduate Program in Microbiology

Recommended preparation: Adequate background in biology and chemistry, usually an undergraduate major in biology and a minor in chemistry, or a major in chemistry with a minor in biology.

Mib 701. General Microbiology: Bacteria and Immunity. (5 hours.)
Principles of microbiology presented with emphasis on microbial physiology and genetics. Fundamental aspects of immunity and immunology are also discussed.

Mib 702. Medical Microbiology: Bacteria, Viruses, Rickettsiae and Fungi. (5 hours.)
Principles of microbiology with emphasis on the pathogenic bacteria, viruses, rickettsiae and fungi. Properties of the commoner organisms of this type and methods for cultivation, isolation and identification. Mib 701 prerequisite.

Mib 703. Parasitology. (3 hours.)
Studies of the animal parasites of man and their mode of transmission.

Mib 801. Immunology. (3 hours.)
Biological, physical and chemical properties of antigens and antibodies; mechanisms of precipitation and agglutination reactions, cytotoxic reactions, medicated by antibody and complement; mechanisms of antibody formation; nature and mechanisms of hypersensitivity reaction and immunology and chemistry of blood group substance. Mib 701 prerequisite.

Mib 802. Bacterial Genetics. (5 hours.)
A consideration of nucleic acid metabolism and heredity in microorganisms including conjugation, transduction and transformation. Mib 701-702 prerequisite.

Mib 803. Virology. (3 hours.)
Studies of animal viruses, and newer techniques for cell culture and identification. Mib 701-702 prerequisite.

Mib 804. Mycology. (3 hours.)
Lectures and experimental studies of fungi pathogenic for man. Mib 701-702 prerequisite.

Mib 805. Immuno-chemistry. (3 hours.)
Advanced immunology with emphasis on the clinical aspects. Mib 801 prerequisite.

Mib 806. Microbial Physiology. (5 hours.)
Intermediary metabolism peculiar to microorganisms and its relationship to the effect of the chemical environment on the growth and death of microorganisms. Mib 701-702 prerequisite.

Mib 808. Cell and Tissue Culture. (3 hours.)
Principles and techniques of cell and tissue culture. Emphasis on tissue culture techniques used in the study of viruses, bacteria and immunologic problems.

Mib 810. Hematology. (3 hours.)
A consideration of fundamental hematologic concepts and practical laboratory procedures.

Mib 812. Host-Parasite Relationship. (3 hours.)
This will be a series of lectures and seminars on the biochemical and immunological relationships between infectious agents and their hosts. In cooperation with the staff of the Department of Medicine.

Cmb 901, 902, 903. Seminar in Microbiology. (1 hour each.)

Cmb 921. Investigation of a Problem. (Credit to be arranged.)

Cmb 930. Research (for Dissertation or Thesis). (Credit to be arranged.)

Endocrinology

Chairman: Virendra B. Mahesh
Faculty: Byrd, Greenblatt, Mills, Muldoon

Recommended preparation: Course-work in inorganic, organic and physical chemistry, qualitative and quantitative analysis, and in biological sciences including such courses as physiology, anatomy, histology, embryology, zoology, etc.

End 707. Introduction to Endocrinology. (1 hour.)
This course will give a general introduction to the concept of hormones, endocrine glands, and various mechanisms involved in regulation and control of endocrine secretion.

End 801. Clinical Endocrinology. (2 hours.)
Clinical survey of the function of the hypothalamus, pituitary, adrenals, gonads, thyroid and pancreas, and the diagnosis and treatment of endocrine disorders associated with these glands.

End 802. Advanced Clinical Endocrinology. (6 hours.)
A continuation of End 801 at an advanced level. Included is participation in the diagnosis, work-up, treatment and discussion of selected patients with various endocrine disorders.

End 807. Clinical Aspects in Human Reproductive Physiology. (5 hours.)
The essentials in human reproduction and the application of present day knowledge in the promotion of fertility as well as fertility controls.

End 808. Human Cytogenetics. (3 hours.)
A study of the relationships between chromosome morphology, function and disease. Consideration of chemical and physical nature of the chromosome, chromosomal aberrations, ploidy, significant of sex chromatin, inheritance of chromosomal defects and genetics of cells in culture.

End 809 Human Cytogenetics—Laboratory Techniques. (3 hours.)
A laboratory study of methods used in human cytogenetics including methods for culture and chromosome analysis and somatic cells, sex chromatin, autoradiography, Photomicography, meiotic preparations and solid tissue culture.

End 810. Biochemical Methods in Endocrine Research. (3 hours.)
Work in specialized methods such as fractionation and individual estimation of steroids, determination of aldosterone, chromatography, and use of isotopes.

End 811. Laboratory Procedures in Clinical Endocrinology. (2 hours.)
Studies and experience in the estimation of 17-ketosteroids, 17-ketogenic steroids, pregnandiol,

urinary gonadotropics, PBI pregnancy tests, estrogens.

End 812, 813. Chemistry of Steroids. (2 quarter sequence, 2 hours each.)
A survey of the chemical synthesis, degradation and general reactivity of various classes of steroids. Physical methods of characterization and methods of steroid determination are discussed with particular emphasis on steroids of biological importance.

End 814. Endocrinology. (4 hours.)
Studies of the hormones of the hypothalamus, pituitary, the medulla, pancreas, thyroid, and parathyroid.

End 815. Endocrinology. (4 hours.)
Studies of the secretion, biosynthesis, transport, metabolism and secretion of steroid hormones.

End 816. Endocrinology. (4 hours.) Prerequisites: End 814, 815.
Study of the structure and biological activity of hormones, introduction to concepts of hormone-receptor interaction, mechanism of hormone action, special topics.

End 817. Reproductive Physiology. (4 hours.)
A biologically oriented course dealing with spermatogenesis, ovulation, fertilization, implantation and pregnancy.

End 818. Population Explosion and Contraception. (2 hours.)
This course will survey the problems of population explosion in the United States and around the world and discuss the safety and efficiency of current methods of contraception.

End 819. Comparative Endocrinology. (4 hours.)
Consisting of fine structure and histology of endocrine glands and correlating this with function in man and other species.

End 901, 902, 903. Seminar in Endocrinology. (1 hour each.)

End 921. Investigation of a Problem. (Credit to be arranged.)

End 930. Research (for Dissertation or Thesis). (Credit to be arranged.)

Medical Illustration

Chairman: Orville A. Parkes
Faculty: Garlington.
Recommended preparation: See the requirements for admission to the graduate program in Medical Illustration.

Mil 801. Advanced Techniques of Medical Illustration. (10 hours.)
Advanced training in the techniques and mediums of the medical illustrator in depicting major operative procedures, endoscopic examination and ophthalmological conditions and procedures.

Mil 802. Department Development and Administration. (1 hour.)
Instruction is given in how to institute or develop a department of medical illustration, the photographic and art materials and equipment necessary in such departments, recommended types of clerical forms and records and departmental responsibilities and the general administration of a department.

Mil 803. Interpretive and Reconstructive Drawing. (2 hours.)
This course correlates the study of pathology and art in the drawing of autopsy and fixed specimens and the reconstructional drawing of specimens as they appeared during life. The diagrammatic representation of conditions of organs and the physiological effect on other organs as a contributing factor in death is depicted in such drawings.

Mil 804. Scientific Exhibit Production. (1 hour.)
The methods of planning a scientific exhibit from the first discussions to the final presentation is covered. Included are the practical aspects of production: scale drawings, materials, basic design, carpentry and production techniques.

Mil 811. I, II. Pathology—General Pathology. (16 hours.)
The basic principles of pathology and the important general and systemic manifestations of disease.

Mil 928. Medical Illustration—Graphic Projects. (15 hours.)
The presentation of a selection of examples from the educational experiences encountered in the overall program while in residence. Where possible, individual concepts will be developed by each student in demonstrating these categories, which include the following: Surgical Drawing, Pathology, Dentistry, Anatomy, Exhibits, Statistics, Commercial Medical illustration, Tri-dimensional Models, Diagrammatic Representation, Medical Photography, Television Graphics, Plastic Embedment, Prosthetics.

Mil 930. Medical Illustration—Thesis. (15 hours.)
A written and illustrated thesis may be substituted for Mil 928 should the candidate for a degree so desire.

Oral Biology

Chairman: George W. Burnett
Faculty: Burnett, Bustos-Valdes, Dirksen, Gangarosa, Pashley, N. Ross, Schuster, Sharawy, Weatherred
Recommended Preparation: D.D.S., D.M.D. or equivalent degree
Departmental Requirements: 12 hours of core curriculum including O.B. 811, 822, 833, 841, 852, 863 or acceptable equivalents. Other elective 800 level course to total 15 hours. Acceptable proficiency in a communication skill as determined by the student's advisory committee. At least 30 quarter hours of 900 level courses are required.

Oral Biology 811: Head and Neck Anatomy. (2 hours). An advanced course in applied anatomy of the head and neck region.

Oral Biology 822: Oral Biochemistry. (2 hours). The biochemistry of various structural and non-structural components of the body as related to oral health and disease.

Oral Biology 833: Physiology of the Stomatognathic System. (2 hours). A guided survey of the physiology of the stomatognathic system.

Oral Biology 841: Microbiological and Immunological Aspects of Oral Disease. (2 hours). An advanced course on oral microbiology, infection and resistance, and oral diseases of microbial origin.

Oral Biology 852: Molecular Pathology. (2 hours). Concepts of disease, particularly oral diseases, at cellular and subcellular levels.

Oral Biology 854, 855, 856: Oral Pathology (1 hours each). An advanced course of the oral diseases, including etinology, pathogenesis, diagnosis, prognosis, and treatment.

Oral Biology 863: Dental Pharmacology. (2 hours). Advanced pharmacology of interest to clinical and investigative dentistry.

Oral Biology 901, 902, 903: Graduate Oral Biology Seminars. (1-2 hours). These seminars will include advanced topics of interest to dentistry and will be presented by both graduate students and faculty. An in-depth coverage of the literature is expected for each presentation.

Oral Biology 921: Investigation of a Problem. (Credit to be arranged).

Oral Biology 930: Research (for Dissertation or Thesis). (Credit to be arranged).

Physiology

Chairman: Robert C. Little
Faculty: Dow, Ginsburg, W. Jackson, McKenney, Pashley, Reichard, Stoney, Weatherred

Recommended preparation: Chemistry, through organic and quantitative analysis; an introductory course in zoology; one course each in comparative anatomy and embryology; a full year in physics and mathematics through differential and integral calculus.

Phy 601. Physiology. (6 hours. Fall quarter.)
A basic graduate course in physiology for non-majors in physiology.

Phy 701, 702, 703. Survey of Physiology. (6, 6 and 4 hours respectively).
Electrophysiology, muscle and cardiovascular physiology; respiratory, fluid and gastrointestinal physiology, metabolism endocrine physiology; neurophysiology.

Phy 800. General Physiology. (5 hours.)
Selected topics in general and cell physiology with emphasis on the role of metabolism, membrane functions and environmental factors will be considered in lecture and seminar. Phy 701, 702, 703 or by permission prerequisites.

Phy 801. Introductory Bio-Physics. (3 hours.)

Phy 802. Cardiodynamics. (3 hours.)
Physiology of the heart, including structure, development, action as muscle, and dynamics of its pumping action.

Phy 803. Peripheral Circulation. (3 hours.)
A study of the architecture and hemodynamics of peripheral vasculature.

Phy 804. Muscle Physiology. (3 hours.)
General characteristics of muscle action and differences between the three types of muscle.

Phy 805. Blood Flow Regulation. (3 hours.)
A study of the determinants affecting cardiac output and peripheral flow, with consideration of the techniques for measuring the flow.

Phy 806. Respiration. (3 hours.)
The mechanics and regulation of human respiration with consideration of practical techniques for the measurement of ventilation.

Phy 807. Body Fluid Regulation. (3 hours.)
A study of current and classical lit-

erature dealing with fluid regulation with particular emphasis on renal mechanisms for volume and composition control

Phy 808. Cortical Potentials. (3 hours.)
Properties of continuous and evoked potentials and their interactions. Relationship of cortical unit activity to cortical potentials. Phy 701 and 703 prerequisites, and by permission.

Phy 809. Motoneuron Physiology. (3 hours.)
Electrical properties of surface membranes; excitatory and inhibitory reactions and their mechanisms; properties of the spike potential; interaction of synaptic responses. Phy 701 and 703 prerequisites, and by permission.

Phy 810. Hemodynamics. (3 hours.)
Blood flow and the force that produces it, including reservoir function of large arteries and measurement and regulation of cardiac output.

Phy 811. Physiology of Reflexes. (3 hours.)
A guided survey of the literature pertaining to reflex and synaptic physiology. Course is conducted as a seminar with students giving oral reports on assigned topics. Phy 701 and 703 prerequisites, and by permission.

Phy 812. Neurophysiology. (6 hours. Fall and Spring.)
A guided survey of the experimental literature of major topics in neurophysiology. Course conducted as seminar with oral analysis of assigned papers and topics. Phy 701, 702, 703, Anm 703 and permission of instructor prerequisites.

Phy 813. Electrophysiology. (5 hours.)
Thoretical basis of electrophysiological phenomena; recording apparatus and technique; and the electrophysiology of cell tissues and excitable structures.

Phy 814. Biological Transport. (5 hours.)
A seminar study of the physiology of membrane transport. Systems studied will include erythrocytes, kidney, intestine and other relevant cells and tissues.

Phy 815. Radioisotopes in Biological Research. (3 hours.)
The theory, utility and methodology for the use of radiosotopes in biological research.

Phy 816. Motor Systems. (3 hours.)
Didactic lectures, tutorials and laboratory exercise directed at fundamental mechanisms underlying pyramidal, extrapyramidal and/or cerebellar control of movement. Phy 703 and permission of instructor prerequisites.

Phy 817. The Physiological Basis of Learning and Memory. (3 hours.)
A seminar about the behavioral, electrophysiological, and biochemical correlates of learning and memory. Techniques of measurement will be included. Permission of instructor prerequisite.

Phy 818. The Biological Substrates of Emotion and Motivation. (3 hours.)
A seminar study of the Central Nervous System Mechanisms which control emotional and motivational processes. The operant conditioning of autonomic behavior will be included. Permission of instructor prerequisite.

Phy 819. Sleep Mechanisms and Behavior. (3 hours.)
A survey of the neuroanatomical, neuropharmacological, and electrophysiological correlates of Sleep. Included will be techniques of quantification and treatment of aberrant sleep patterns. Permission of instructor prerequisite.

Phy 820. Radiobiology. (3 hours.)
Cellular and physiologic effects of ionizing radiation.

Phy 901, 902, 903. Seminar in Physiology. (1 hour each.)

Phy 921. Investigation of a Problem. (Credit to be arranged.)

Phy 930. Research (for Dissertation or Thesis). (Credit to be arranged.)

Pharmacology

Chairman: Raymond P. Ahlquist
Faculty: Chiang, Gangarosa, Geber, Jerram, Karow, Kling, Ross.

Recommended preparation:
Major training in at least one of the following fields: zoology, anatomy, microbiology, physiology, biochemistry, botany, mathematics and electronics. Courses in several of the fields other than the major field are desirable.

Phm 701. General Pharmacology. (4 hours.)
A survey course covering the general principles of pharmacodynamics, chemotherapy and toxicology. The pharmacology of the following will be introduced: central nervous system, peripheral motor nervous system, cardiovascular-renal system, gastrointestinal system, and endocrine system.

Phm 711. Cryopharmacology. (3 hours.)
The biophysics of freezing injury and the use of cryoprotective drugs. Consent of instructor prerequisite.

Phm 801. Molecular Pharmacology. (3 hours.)
Mechanism of achieving a biological effect through the chemical interaction of a drug with a biological receptor. Prerequisites: Phm. 701 or equivalent and consent of instructor.

Phm 802. Methods in Pharmacological Research. (3 hours.)
Physiological and biochemical methods employed in pharmacological investigations. Prerequisites: Phm. 701 or equivalent and consent of instructor.

Phm 803. Neuropharmacology. (3 hours.)
Selected topics related to the action of chemical agents on the nervous system. Prerequisites: Phm. 701 or equivalent and consent of instructor.

Phm 804. Advanced Pharmacology. (2 hours.)
Research objectives in pharmacology. Current concepts and trends in pharmacological research. Prerequisites: Phm. 701 or equivalent or consent of instructor.

Phm 805. Mechanisms of Drug Toxicity. (3 hours.)
A study of the adverse effects of drugs on organ systems and metabolic pathways. Prerequisites: Phm. 701 or equivalent and consent of instructor.

Phm. 808. Autonomic Pharmacology. (3 hours.)
A study of neurohumoral transmission, adrenergic and cholinergic agonists and blocking agents, and

mechanisms of action of drugs affecting the peripheral motor nervous system. Prerequisites: Phm. 701 or equivalent and consent of instructor

Phm 721. Drug Induced Teratogenesis. (3 hours.)
Consideration of theories of drug induction of congenital malformations in the mammalian fetus. Experimental methods of evaluating drug teratogenicity will be studied. Consent of instructor prerequisite.

Phm 809. Cardiovascular-Renal Pharmacology. (3 hours.)
Evaluation of the interrelationships of the action of drugs on the heart, peripheral circulation, and renal function. Prerequisites: Phm 701 or equivalent and consent of instructor.

Phm 901, 902, 903. Seminar in Pharmacology. (1 hour each.)

Phm 921. Investigation of a Problem. (Credit to be arranged.)

Phm 930. Research (for Dissertation or Thesis). (Credit to be arranged.)

Statistics

James B. Mathews: Director, Systems and Computer Services.

Sta 601. Introduction to Biomedical Computing. (3 hours; Prerequisite: Consent of Instructor).
Introduction to computers and biomedical computing. FORTRAN programming with emphasis on techniques for biomedical data analysis.

Sta 602-603. Advanced Techniques in Biomedical Computing and Analysis. (3 hours per quarter; Prerequisite: Sta 601 or equivalent)
Advanced FORTRAN and techniques for processing and analyzing biomedical data. Curve fitting and related techniques for analyzing biological signals. Use of program packages for numerical and statistical analysis. Organization of large files and data banks. Students will be encouraged to learn these methods using research problems from their own professional areas. The last quarter will include a supervised project from each student's area of interest.

Sta 801. Introductory Statistics. (5 hours. Prerequisite: College algebra or consent of instructor.)
General principles and methods of statistics as applied to biological research. Fundamental concepts including probability, frequency distributions, randomization, t tests, Chi-square, analysis of variance, linear regression and correlation.

Sta 802. Multivariate Analyses. (3 hours. Prerequisite: Sta 801, Sta 601 or consent of instructor.)
Analysis of variance, multiple and partial regression, multiple and partial correlation.

Sta 803. Experimental Design And Parametric Vs Non Parametric Methods. (3 hours. Prerequisite: Sta 802, Sta 601 or consent of instructor.)
Non-linear regression, analysis of covariance, non-parametric statistics, miscellaneous methods and techniques, experimental design and analysis.

Special Course

Edu 940. The Management of Learning Activities. (4 hours.)
Theory and practice of management of learning activities; including setting objectives, planning and preparing learning activities, presetting the activity, and evaluating its effectiveness.

The School of Nursing

School of Nursing Calendar 1973-74

Fall Quarter, 1973

September 11	Orientation
September 12-13	Registration
September 14	Exemption Examinations (optional) in U.S. and Georgia History and U.S. and Georgia Constitutions
September 17	Classes begin
September 20	Last day for late registration and class changes
October 24	Midterm
October 22-26	Preregistration for Winter Quarter
November 20	Last day of classes before Thanksgiving recess
November 21-25	Thanksgiving recess
November 30	Last day of classes
December 1, 3-7	Examinations
December 7	Term ends

Winter Quarter, 1974

January 2	Orientation and registration
January 3	Classes begin
January 3	Exemption Examinations (optional) in U.S. and Georgia History and U.S. and Georgia Constitutions
January 7	Last day for late registration and class changes
February 6	Midterm
February 4-8	Preregistration for Spring Quarter
March 13	Last day of classes
March 14-16, 18-20	Examinations
March 20	Term ends

Spring Quarter, 1974

March 25	Orientation and registration
March 26	Classes begin
March 29	Last day for late registration and class changes
April 26	Midterm
April 29—May 3	Preregistration for Summer and Fall Quarters
May 31	Last day of classes
June 1, 3-6	Examinations
June 8	Graduation
June 8	Term ends

Summer Quarter, 1974

June 12	Orientation and registration
June 13	Classes begin
June 18	Last day for late registration and class changes
July 4	Independence Day Holiday

July 15	Midterm
July 22-26	Preregistration for Fall Quarter
August 16	Last day of classes
August 17, 19-22	Examinations
August 23	Term ends

NOTE: During the Summer Quarter, 1974, Period 1 through Period 10 classes will be fifty-five (55) minutes in length. Period 11 and Period 12 classes will be two (2) hours and twenty-five (25) minutes in length which will include a five minute break.

School of Nursing

Dean: Dorothy T. White, B.S., M.A., Ed.D.

Associate Dean, Continuing Education Programs: Susan M. Bruno, B.S.N., M.S.

Associate Dean, Curriculum Development: Philip E. DeLorey, A.A.S., B.S.N., Ed.M.

Associate Dean, Undergraduate Programs in Nursing: Betty R. Erlandson, B.S., M.S.N.

Associate Dean, Graduate Programs in Nursing: Patricia A. Moxley, B.S.N.Ed., M.N., Ed.M.

The Baccalaureate Program in Nursing

The administration and faculty believe that nursing is a significant force in the total health care of all people, and that it is through guided experiences in the preventive, curative, and rehabilitative aspects of nursing that students are able to develop a comprehensive concept of the health needs of people. It is believed that a planned program of general education extending through four academic years, combined with professional courses, aids students in learning more effectively.

The School of Nursing accepts as its aim the selection and training of young men and women who have the potential for development within our educational environment as enlightened and contributing citizens and as professional nurses. Through the use of the problem-solving approach and our planned experiences, the graduate is expected to become a purposeful, thinking, self-directed member of the professional society, able to identify and analyze data objectively, and to make critical judgments on the basis of principles in both personal and professional roles.

It is expected that graduates of the College program can work effectively with other disciplines in the care of patients. The graduate is prepared to plan, execute, and evaluate the nursing needs and care of individuals in the community; to function as a beginning professional practitioner in any field of nursing, including public health. The graduate has had guided learning experiences in management and leadership, and with experience, the graduate with potential may move into head nurse positions. The graduate may, if ability and achievement warrant, prepare through graduate courses for positions in teaching, administration, supervision, research or other areas.

Objectives

The objectives of the program are to provide appropriate learning experiences which enable students:

1. To develop attitudes, professional and intellectual abilities involving the use of communications skills, leadership and helping skills, general and scientific knowledge of such breadth as will make possible development of competencies in the practice of rehabilitative, preventative, and creative nursing and as will provide a sound basis for future specialization.
2. To appreciate the dynamic contribution of nursing to health goals, and their implementation for society and to develop

those participatory skills essential to accepting responsibility on the health team.
3. To promote understanding of self, personal growth, and the development of creative ability in order to live more happily as well as to attain and maintain health for oneself and others.
4. To develop critical attitudes and skills, in evaluation and problem solving as a basis for effective nursing practice and as a basis for contributing to the development of professional nursing.
5. To understand some aspects of the major philosophies and practices as they relate to personal and spiritual growth and to nursing patients and families.

Accreditation

The School of Nursing is accredited by the National League for Nursing, and is a member agency of the Department of Baccalaureate and Higher Degree Programs.

The program is also approved by the Board of Examiners of Nurses for Georgia. Graduates are eligible to take the state licensing examination, successful completion of which entitles the nurse legally to practice nursing and to use the title "Registered Nurse" (R.N.).

Admission Requirements

In addition to general requirements of the college, applicants must meet the following:

Age: The minimum age is 16 for admission to the freshman year of the School of Nursing as required by the Board of Examiners of nurses for Georgia.

Personal Interviews: May be arranged at the discretion of the student and/or faculty.

Academic Criteria

Preference will be given the applicant who has demonstrated superior academic ability. The applicant must present evidence of graduation from an accredited high school or its equivalent. The entering freshman must present credentials to indicate completion of the following high school credits from an accredited high school:

	Units
English	4
Mathematics (must include one unit of algebra	2
Sciences (General biology, chemistry, physics	2
Social studies (one unit of American History)	2
Other academic units	4
Unrestricted electives	2

High school level test of General Education Development will not be accepted unless accompanied by a state high school diploma.

Application Procedure

Application forms with instructions for completing the admission procedure may be obtained from the Office of Undergraduate Admissions. Application for each entering student must be filed no later than 31 days prior to the registration date for the quarter in which the applicant wishes to be admitted. Exceptions to the above

may be made in unusual circumstances. Early application is encouraged.

Transcripts from all high schools and/or colleges attended are part of the application and are necessary to determine admission and placement. CEEB-SAT scores are also part of the application and should be sent by Educational Testing Service or on the official transcripts.

Those applicants who are already Registered Nurses must, in addition, submit evidence of current registration.

Financial Aid and Employment Opportunities

The student Financial Aid Bulletin may be obtained by writing to the Financial Aid Office. This brochure includes information regarding Federal Traineeships under Public Law 88-851, Title 8, Section 821. Students interested in applying for part-time employment in the hospital should contact the Director of Nursing Services, Eugene Talmadge Memorial Hospital.

Students may enroll in the student Army or Navy Nurses Corps beginning with either the junior or senior years.

An application form on which you may apply for any of the other programs listed in the brochure may be secured by writing the Financial Aid Office.

Student Organizations and Activities

Students in the School of Nursing participate in the activities and organizations of both the Medical College of Georgia and Augusta College.

An Honors Society, a forerunner of Sigma Theta Tau, the National Honor Society of Nursing, was organized in 1969.

In addition to the regular activities at the College, students in Nursing may belong to class organizations and the Student Nurses Association.

Facilities, General Education and Professional

The general facilities of the Medical College combined with those of Augusta College, offer excellent opportunities for a balanced program of liberal and professional education.

In addition to facilities for instruction as listed in the General Information, of this Catalog, the School of Nursing utilizes other agencies as necessary: Gracewood State School and Hospital, Veterans Administration Hospitals, University Hospital, Augusta Regional Hospital, industries, nursing homes, day and nursery schools, and other agencies selected on the basis of their contribution to the student's understanding of continuity of patient care and total health planning.

Fees and Expenses

Estimated Student Expenses Per Academic Year	First Year	Second Year	Third Year	Fourth Year
Matriculation fee*	435	435	435	435
Health fee**	30	30	30	30
Activities	30	30	30	30
Books & Supplies	130	130	130	130
Uniforms	—	200	—	—
Housing***	330	330	330	330
Food	600	600	600	600
Personal (Laundry, entertainment, travel, etc)	450	450	450	450
Totals	**2,005**	**2,205**	**2,005**	**2,005**

*Non-resident tuition (in addition to matriculation fee) $720 per year. ($240 per quarter).
Matriculation fee is $145 per quarter.
**Health fee is $10 per quarter.
Activities fee is $10 per quarter.
***See General Information section for the cost of various on-campus housing options.
See General Information section for hospitalization and Life Insurance costs.

Curriculum

The School of Nursing offers a four-year, 12-quarter, academic program leading to the degree of Bachelor of Science in Nursing.

The courses in general education and supporting areas are offered throughout the program. They are planned to contribute to the professional courses and to the offering of a sound, integrated four-year program. It is the purpose of the School of Nursing to develop a curriculum which aids in the development of the individual personally, as a citizen and as a professional nurse. The outlined curriculum pattern is subject to change.

Courses are to be taken in outlined sequence unless otherwise approved by the Dean or her designee. It is expected that all courses will be offered twice in each academic year.

General education courses for undergraduate students

The College is a state supported unit of the University System of Georgia. Being a professional education institution, the College does not maintain faculty for teaching general education courses in the liberal arts and sciences. Augusta College has been designated to assume the responsibility for offering general education courses for all baccalaureate students registered at the College. Credits and grades for such courses are accepted by the College directly from this institution as though the courses were taught on the College campus. The student must be registered at this institution while taking the courses. Arrangements for the first year of work may be made (with faculty advisement) with other institutions within the University System.

Lower Dvision general education courses numbered 100 through 399

are offered by Augusta College. These courses will be recorded on transcripts issued by the Medical College with the code designation of "A.C."

First Year

Eng 101	5
Eng 102	5
Psy 101	5
Soc 101	5
Che 244	5
Che 345	5
Soc 101	5
Che 244	5
Bio 111 or *Anm 320	5
Bio 112 or *Anm 321	5
Nsg 150	5
TOTAL:	45

Second Year

**His 211 & **Pol 101	5
Bio 311	5
Edu 304	5
Soc 303	5
Nsg 204	3
Nsg 243	10
Nsg 244	10
TOTAL:	48

Third Year

Edu 302 or Psy 311	5
Nsg 332	9
Nsg 343	10
Nsg 344	11
Electives	10
Total:	45

Fourth Year

Phy 101	5
Nsg 403	10
Nsg 415	12
Nsg 453	4
Nsg 470	12
***Nsg 999 or	2
Elective	5
TOTAL:	45 or 48

Summer course offerings are determined by availability of faculty and the needs of students.

Throughout the program and largely in the clinical courses, an application of principles from the social-physical and biological sciences, as well as health concepts including mental health, geriatrics, nutrition and diet therapy, patient and family teaching, interpersonal relationships and communication skills, pharmacology, epidemiology, biostatistics, disaster nursing, occupational health, environmental factors, and rehabilitation skills will be integrated.

All clinical nursing courses include laboratory practice in the clinical setting.

Course Descriptions

For description of courses other than nursing, refer to the Augusta College Bulletin.

*If approved, these courses may be validated by examination.

**Legislative Requirements: May be fulfilled by passing the validation exam at any college in the State system or by History 211 or 212 and Political Science 101. Students who successfully validate must take 10 quarter hours in any history courses.

***Independent Study

Nsg 150. Distributive Nursing. (Freshman year —5 quarter hours credit which includes 3 hours of class and 4 hours of lab each week). An introduction to nursing as a science, a process and a profession with major responsibilities in primary prevention, maintenance, and rehabilitation.

Nsg 204. Nutrition Principles. (3 quarter hours.)
A study of the basic principles of nutrition and their application to the planning of diets for individuals and families. The problem solving approach is used in the identification and application of physical and chemical factors involved in digestion and metabolism of food in relation to specific patient-family nutritional problems.

Nsg 243. Adult Nursing I. (10 quarter hours; 6 hours content; 4 four hour laboratory periods)
A course designed to enable the student to acquire necessary knowledge, psychomotor skills and affective behaviors and to use problem-solving methodology to organize and utilize nursing and related knowledges for the nursing care of the individual adult patient. Learning experiences are selected to provide limited problems and stimuli and to be within the role expectations of the professional nurse.

Nsg 244. Adult Nursing II. (10 quarter hours; 6 hours content; 4 hour laboratory periods)
A course designed for students to continue to develop ability to utilize the problem-solving approach in assessing, implementing, and evaluating the nursing care needs of individual adult patients with selected health problems. Experiences are selected to augment integration of the previous nursing and related knowledges.

Nsg 332. Mental Health and Psychiatric Nursing. (9 quarter hours; 6 hours content, 9 hours laboratory.
The focus of this course is the role of the baccalaureate nurse who functions with a multi-disciplinary team in the prevention of mental illness and the care, treatment and rehabilitation of mentally ill patients. Determinants for nurse-patient relationships will be stressed. Concepts and principles from previous and concurrent experiences will be utilized in developing attitudes and skills related to meeting the nursing needs of the mentally ill patient. Some consideration is given to observational experiences and content in the area of child psychiatry.

Students work with "healthy" families in their own environment as well as working intensively with selected patients in three major psychiatric settings. Observational experiences are also provided in four community resources for the mentally ill and the mentally retarded. Students are exposed to theories which include both descriptive and dynamic approaches.

Nsg 343. Maternity and Newborn Nursing. (10 quarter hours, 6 hours content; 4, three hour laboratory periods)
The family-centered developmental approach is used in the study of adolescents involving preparation for marriage and family living, the adjustment of husband and wife to marriage and their preparation for parenthood. The course continues with the study of psychological and physiological problems of selected mothers in all age groups through each phase of the maternity cycle and newborn infants during the neonatal period. Experiences are provided in the clinic,

hospital, home and other community health, educational and social agencies.

Nsg. 344. Nursing of Children. (11 quarter hours, 8 hours content; 3 four hour laboratory periods)
A concurrent study of the role of the professional nurse in the health promotion of children and the study of comprehensive nursing care of common pediatric diseases and anomalies. Incorporated within the content are biological, psychological, and sociological principles which are necessary in developing attitudes and skills related to meeting the needs of children and their families in a wide variety of settings. Through laboratory and observational experiences within hospitals, clinics, schools and community agencies, the student will have the opportunity to apply basic foundations which have been developed within the classroom setting.

Nsg. 403. Senior Nursing Seminar and Practicum. (10 quarter hours, 6 hours content, conferences; 4 three hour laboratory periods. Prerequisite: Completion of all junior year courses.)
Analysis of complex problems including developmental, health and long-term illness based on study of the literature and the significant theories and laws from physical, biological, social and medical sciences. Nursing hypotheses thus derived are tested and converted into theories and principles in nursing practice with individuals and patient groups in various clinical areas and settings. Academic instruction and laboratory experiences are qualitatively selected to meet the learning needs of students.

Nsg. 415. Community Nursing. (12 quarter hours, 6 hours class, 12 hours of laboratory.)
An overview of the philosophy, principles of organization and administration, and trends in community health nursing programs. Nursing intervention for the promotion of health and prevention of disease in individuals and families is emphasized. The course includes the public health sciences. Visits to community agencies are used for selected learning experiences.

Nsg 453. Nursing Trends. (5 quarter hours.)
An analysis of the trends and current problems in nursing and their relationship to nursing education programs and to the practice of professional nursing.

Nsg 470. Principles of Management and Leadership. (12 quarter hours; 6 hours content, conferences; 2 eight hour and 1 two hour laboratory periods.)
A study of the basic principles of scientific management, leadership and interpersonal relations; and guided learning experiences and their application to nursing team leadership and head nurse positions in nursing.

Scholarship and Promotion

Academic advancement

Promotion is dependent on satisfying all academic course requirements, with no "0" grades accepted. A minimum point average of 2 is required.

Transfer Credit

Transfer of credit for the first year of work and for other equivalent courses, as evaluated by the

Registrar, may be credited toward the Baccalaureate degree in Nursing. See "Scholarship and Promotion." No "F" grades may be transferred. Transfer students must meet the same requirements as other students in the program.

Probation

A student who falls below a "C" average in any given quarter will be carried on probation until the "C" average is met. Freshmen students are expected to meet the grade point average of 2 by the end of the third quarter.

Advancement examinations

The policy governing required achievement examinations shall be posted in the School of Nursing; students are expected to meet requirements of courses and achievement examinations according to current policies. All course requirements, all achievement examinations, and all validation examinations for the first three years must be completed before a student is permitted to register for the senior year curriculum.

Residence

A minimum of 180 quarter hours (excluding Physical Education) is required for a baccalaureate degree.

Examinations on the History and Constitutions of the United States and Georgia

Examination on these subjects are required of all students unless exempted by presentation of course credit dealing with these constitutions and histories. A student is advised to meet this requirement early in the academic career.

Physical Education Requirements

Candidates for undergraduate degrees will present a minimum of one (1) quarter of physical education credit for graduation.

Travel Releases

Before matriculation each accepted student must file written permission by parents or guardians to travel by public and/or private carrier. Forms for the purpose shall be provided by the Director of Women's Activities.

Requirements for Graduation

General requirements for graduation from the undergraduate programs of the Medical College are listed in the introductory section and in the General Information section.

Applicable specifically to the School of Nursing:

Completion of all senior nursing courses is required with at least 180 quarter hours excluding Physical Education completed for graduation. All graduates must meet the requirements for the degree as outlined for that graduating class. Refer to the General Information section for grade requirements.

Other Programs

The Master of Science in Nursing Program

Associate Dean for Graduate Programs: Patricia A. Moxley, B.S.N.Ed., M.N., Ed.M.

Recommended preparation: An undergraduate major in nursing, including the behavioral, physical and biological sciences. Other undergraduate majors are accepted.

Registration for courses: Students admitted to the Graduate Program in Nursing register and matriculate for courses at the Medical College of Georgia. Due to the wide range of educational offerings at the other institutions in the area, means are provided for students to take courses taught by other institutions and to receive credit for these. A student may select a major in Nursing Administration in Adult Nursing or in Mental Health and Psychiatric Nursing. In the clinical field the student may elect to prepare for clinical specialization or for teaching nursing. The practicum in teaching provides for choice of supervised experience in baccalaureate or associate degree programs, or other educational programs in nursing.

The Graduate Program in Nursing also offers a three-summer program in teacher preparation, culminating in the Master of Science Degree in Nursing. This program is designed primarily for teachers in collegiate nursing programs who are attempting to upgrade their educational qualifications. Through the utilization of the short summer session (two sessions each summer), students may acquire up to twenty quarter hours credit per summer. Students in this program also have the opportunity to obtain additional credit from other schools. Applicants to this program who do not have a Baccalaureate degree in nursing will take equivalency examinations to demonstrate competency and knowledge in the clinical areas.

Objectives

The program leading to the Master of Science in Nursing degree is designed to prepare qualified students to practice as clinical specialists, as teachers in nursing or as nursing administrators. The objectives for students of the graduate program are:

- Knowledge of theory and basic concepts in the area of specialization and in contributory fields.
- Ability to apply theoretical and conceptual knowledge selectively in practice in the area of specialization.
- Ability and motivation to add to the body of nursing knowledge and improve practice through independent study and experience.
- Ability to use in practice research findings in nursing and related fields, and to design, accomplish and report scientific studies in the area of specialization.
- Understanding and acceptance of the responsibilities, personal, professional and community, which accompany the leadership-specialist role in nursing.

Graduate Program Offering

Edu 621. Group Dynamics. (5 hours.) A review of the development of research on processes in the small face-to-face group, with

emphasis on motivational forces involved. The family as a small group. Peer and work groups. Structural-functional analysis, symbolic interactionism. Experiments in group interaction.

Nsg 701. Scientific Foundations and Nursing. (7 Hours.) The study of selected principles from the behavioral and biological sciences having common applicability to nursing practice. Clinical and field experiences will permit students to test the principles presented. This course is foundational to graduate level specialization in nursing.

Admission Requirements

1. A Baccalaureate degree.
2. Licensure or eligibility for licensure as a Registered Nurse.

Application

Application for admission to the Graduate Program in Nursing at the Medical College is made directly to the Associate Dean, Graduate Programs School of Nursing, Medical College of Georgia, Augusta, Georgia 30902.

The program begins with the Summer quarter. The complete application should be on file at least four weeks prior to the beginning of the Summer quarter. However, it is suggested that the initial application papers be submitted during the preceding September or October or earlier.

Applicants should confer with the major advisor of the field of choice and with the Associate Dean, Graduate Programs in Nursing regarding program planning.

Curriculum

Nsg 703. Adult Nursing. (7 hours. Prerequisite: Nsg. 701).
Application of knowledge in improving skills characteristic of the practice of professional nursing. Selected experiences provide for intensive study of individual patient needs and direction of care of nursing clients.

Nsg 704. Practicum: Teaching Adult Nursing. (5 hours. Prerequisites: Nsg 701 and 703.)

Nsg 705. Practicum: Clinical Specialization: Adult Nursing. (5 hours. Prerequisites: Nsg 701 and 703.)

Nsg 721. Mental Health and Psychiatric Nursing. (7 hours. Prerequisite: Nsg. 701.)
Psychopathology as a unique life situation. There is concurrent clinical extension of theory in selected facilities. Explanation of the process of psychotherapy and the therapist role is initiated in the course.

Nsg 722. Practicum: Teaching Mental Health and Psychiatric Nursing. (5 hours. Prerequisites: Nsg 701 and 721.)

Nsg 723. Practicum: Clinical Specialization, Mental Health and Psychiatric Nursing. (5 hours. Prerequisites: Nsg 701 and 721.)

Nsg 740, 741. Seminar in Nursing Administration. (3 hours Fall and 4 hours Winter quarters.)
Application of concepts and principles of administration and personnel management in the nursing service situation. The case method is used for added realism in problem solving.

Nsg 742. Practicum in Nursing Administration. (5 hours. Spring quarter.)
Observation of, and limited participation in the administration of a nursing service department. The experience is guided by a preceptor in an agency selected jointly by the student and major professor. Field conference of students, faculty and agency personnel permit the exchange of ideas related to field problems. Prerequisites: Nsg 740 and 741.

Nsg 780. The Growing Health System. (2 hours.)
Causes and directions of changes in the health system of the United States. Consideration of the meaning of such changes to nursing of the present and future.

Nsg 781. Advances in Clinical Practice. (2 hours.)
Consideration of human and technological factors influencing change in clinical nursing practice. Exploration of the present and potential contribution of clinical research to nursing practice.

Nsg 782. Education for Nursing Practice. (2 hours.)
Historical development of the university; the role of the university in society; and the potential of the growing education system for the preparation of nursing practitioners.

Nsg 783. Nursing, the Advancing Profession. (2 hours.)
Nursing as a profession compared and related to other professions. The future of nursing as a profession and its meaning for the individual member.

Edu 700 (A.C.) Methods of Research in Education. (5 hours.)
The use of selected concepts in research methodology and statistical analysis in the design, implementation and critique of simple research studies in nursing.

Nsg 921. Investigation of a Problem. (Credit to be arranged.)

Nsg 930. Research, Project, or Guided Elective Study. (5 hours.)

Edu 700. Curriculum and Instruction in Higher Education. (5 quarter hours.)
Provides the student with a knowledge of the curriculum of higher education. An attempt is made to show that curriculum as a whole is involved with objectives, content, strategies, teaching, and learning; their interrelationships, and their involvement in the teaching-learning process.

Edu 701. Methods of Educational Evaluation in Higher Education. (5 quarter hours.)
A systematic development of evaluation procedure appropriate to the evaluation of student performance. Considerations of validity and reliability, selected statistical procedures and the relationship between course objectives and evaluation techniques are treated.

Edu 600. Social Organization. (5 quarter hours.)
A study of the basic principles of social organization including an examination of how groups and complex organizations are structured and how they function as structures.

Edu 700. Educational Psychology. (5 hours.)
Theories of learning and their application in higher education.

Continuing Education Program

The School of Nursing established on July 1, 1970, a Continuing Education Program in Nursing (CEPIN) on a State-wide basis. The program of Continuing Education provides short courses, conferences, and consultative services to nurses and agencies on a state-wide basis. The faculty plans with a State Wide Advisory Committee, other health agencies, and specific planning groups to provide offerings that meet the needs of nurses in wide geographical areas of the State.

The faculty believes that learning is a continuing process throughout the life span of the individual and opportunities must be provided for nurses to continually expand their knowledge and skills. They believe that change is inevitable in a dynamic society and that nurses must be assisted to initiate and/or participate in change.

Prior to each course, brochures describing the topics, meeting place, time and fees are mailed to the group of nurses for whom the course was developed.

Credits

Instruction presented in Continuing Education Program is not designed for credit toward academic degrees.

Fees

Fees are established separately for each course and are dependent on the number of guest faculty, length of course and other factors.

Direct Inquiries to:

Continuing Education Program in Nursing
School of Nursing, Medical College of Georgia, Augusta, Georgia 30902.

The School of Allied Health Sciences

School of Allied Health Sciences Calendar 1973-74

Fall Quarter, 1973

September 11	Orientation
September 12-13	Registration
September 14	Exemption Examinations (optional) in U.S. and Georgia History and U.S. and Georgia Constitutions
September 17	Classes begin
September 20	Last day for late registration and class changes
October 24	Midterm
October 22-26	Preregistration for Winter Quarter
November 20	Last day of classes before Thanksgiving recess
November 21-25	Thanksgiving recess
November 30	Last day of classes
December 1, 3-7	Examinations
December 7	Term ends

Winter Quarter, 1974

January 2	Orientation and registration
January 3	Classes begin
January 3	Exemption Examinations (optional) in U.S. and Georgia History and U.S. and Georgia Constitutions
January 7	Last day for late registration and class changes
February 6	Midterm
February 4-8	Preregistration for Spring Quarter
March 13	Last day of classes
March 14-16, 18-20	Examinations
March 20	Term ends

Spring Quarter, 1974

March 25	Orientation and registration
March 26	Classes begin
March 29	Last day for late registration and class changes
April 15	Last day for applications for admission for the Fall Quarter, 1974
April 26	Midterm
April 29-May 3	Preregistration for Summer and Fall Quarters
May 31	Last day of classes
June 1, 3-6	Examinations
June 8	Graduation
June 8	Term ends

Summer Quarter, 1974

June 12	Orientation and registration
June 13	Classes begin
June 18	Last day for late registration and class changes

July 4	Independence Day Holiday
July 15	Midterm
July 22-26	Preregistration for Fall Quarter
August 16	Last day of classes
August 17, 19-22	Examinations
August 23	Term ends

NOTE: During the Summer Quarter, 1974, Period 1 through Period 10 classes will be fifty-five (55) minutes in length. Period 11 and Period 12 classes will be two (2) hours and twenty-five (25) minutes in length which will include a five minute break.

School of Allied Health Sciences

Dean: Raymond C. Bard, Ph.D.

The School of Allied Health Sciences at the Medical College was established as an administrative entity in 1968. Prior to this date, programs in Medical Illustration, Medical Record Science, Medical Technology and Radiologic Technology had been active; in 1967, the Dental Hygiene program was initiated. Since then, three additional programs, Physical Therapy Occupational Therapy, and Physician Assistant have been added to the School. The School is organized into departments, providing programs for each of the allied health professions leading to the baccalaureate degree.

Information pertaining to application, admission, fees and expenses, loans and scholarships can be found in each department's section of this book or in the General Information section of the catalog.

General Information

General Education Courses for Undergraduate Students

The Medical College is a state supported unit of the University System of Georgia. Being a professional education institution, the College does not maintain faculty for teaching general education courses in the liberal arts and sciences. Other accredited institutions of the University System have been designated to assume the responsibility for offering general education courses for all baccalaureate students registered at the Medical College. Credits and grades for such courses are accepted by the Medical College directly from these institutions as though the courses were taught on the College campus provided the student is registered at this institution while taking the courses.

Lower Division general education courses number 100 through 399 are offered by Augusta College. These courses will be recorded on transcripts issued by the Medical College with the code designation of "AC" indicated.

Transfer Credit

A maximum of 95 academic quarter hours from a junior college, or 141 hours from a senior college or another educational institution may be transferred into a baccalaureate program. See Scholarship and Promotion.

Residence

The minimum residence requirement for a baccalaureate degree is 45 quarter hours. A minimum of 180 quarter hours (excluding Physical Education) is required for a baccalaureate degree.

Examinations on the history and constitutions of the United States and Georgia

Examinations on these subjects are required of all student unless exempted by presentation of course credit dealing with these constitutions and histories. A student is advised to meet this requirement early in his academic career.

Scholarship and Promotion

An undergraduate degree shall not be conferred to any person whose overall weighted grade point aver-

age (for courses in residence) is less than 2.00. Credit hours in courses with the grade of "D" shall not exceed 20% of the total hours for any degree program. Individual curricula may establish higher standards for achievement, in which case, the higher standards shall apply.

Requirements for Degree

The candidate for an undergraduate degree must consult with the office of the Registrar and the Chairman of his program concerning completion of requirements for graduation. This consultation should be done three quarters before the expected date of graduation. Students who fail to meet this requirement forfeit any equity in the adjustment of possible errors or omissions in their programs.

Application Procedure

Application forms with instructions for completing the admission procedure may be obtained from the Office of Undergraduate Admissions. Applications for each entering class should be filed no later than April 15.

Early application is recommended. No application fee is required.

Admission Criteria

Preference will be given the applicant who has demonstrated superior academic ability. The applicant must present evidence of graduation from an accredited high school or its equivalent. Preference will be given the applicant to undergraduate programs who has emphasized high school subjects in the sciences (mathematics, chemistry, physics, biology, zoology) and the liberal arts. The entering freshman must present credentials to indicate completion of the following high school credits from an accredited high school.

	Units
English	4
Mathematics (must include one unit of algebra)	2
Science (general biology, chemistry, physics)	2
Social studies (one unit of American history)	4
Other academic units	
Unrestricted electives	2

High school level test of General Education Development will be accepted.

Scholastic eligibility standards:

An undergraduate student who is making satisfactory progress toward a degree will maintain a minimum of:

Grade Point Ratio	Total Hours attempted
1.3	45
1.6	90
1.8	135
2.0	180 — above

Suspension.

A student who falls below this standard at the end of any regular academic year will be suspended for the next regular quarter, unless he attends an approved summer school and shows marked improvement. Any full time student who fails to make a passing grade in at least one of his academic subjects may be suspended at the end of any quarter.

Probation.

A student who falls below a "C" average in any given quarter or whose cumulative average is below a "C" will be carried on pro-

bation and his records marked accordingly.

Dental Hygiene

Chairman: Billy M. Pollard, D.D.S.

In cooperation with the School of Dentistry, this department offers a program of studies leading to the Bachelor of Science degree in Dental Hygiene. Upon satisfactory completion of the Dental Hygiene Program, graduates will be eligible for National and State Board Examinations.

Objectives

The dental hygienist educates patients in effective personal care of the oral cavity and provides, under the supervision of a dentist, oral health care. The opportunity to serve both in the area of education and in the area of direct service affords a unique and satisfying career. The demand for competent faculty in the growing list of dental hygiene programs is opening a major new avenue for self-expression and fulfillment to many talented persons.

Dental hygiene provides a variety of opportunities for career development. The majority of dental hygienists are found in private practice in a dental office or in a group practice environment. An increasing number are serving as members of public health teams at local, state, and national levels. New opportunities in the field of education will be available in both the public schools and the dental hygiene schools. Unlike many other professions, dental hygiene offers the opportunity for either a full-time or a part-time career.

In any of these roles, the dental hygienist performs an important, meaningful service to her community. She is a respected member of society and her financial status compares favorably with those of persons in other health fields who have had comparable education.

Accreditation

The Department of Dental Hygiene is fully accredited by the Council on Dental Education of the American Dental Association.

Admission Requirements

Two years of study at an accredited college of the student's choice precedes admission to training in dental hygiene at the Medical College of Georgia. The clinical and academic study of dental hygiene is completed at the end of a two-year curriculum at the Medical College of Georgia. A balanced program of studies in the liberal arts and sciences is preferred for the first two years. A recommended predental hygiene curriculum is as follows:

Area I – Humanities

Qtr. Hrs. 20

**English 101	5 hrs.
**English 102	5 hrs.
Electives	10 hrs.
Total	20 hrs.

SUGGESTED COURSES:
English literature, foreign language, advanced speech, humanities, the arts

**A grade of "C" or above required for transcript credit.

Area II — Natural Science
Qtr. Hrs. 20

Math	5 hrs.
Natural Science	15 hrs.
Total	20 hrs.

SUGGESTED COURSES:

Zoology, botany, chemistry, physical sciences, anatomy, genetics, microbiology, geology, and physics

Area III — Social Science
Qtr. Hrs. 20

Political Science	5 hrs.
American history	5 hrs.
Electives	10 hrs.
Total	20 hrs.

Both of the above must satisfy the Georgia legislative requirements. Exemption Examinations may be taken by both in and out-of-state students; however, no credit hours are earned.

SUGGESTED COURSES:

Psychology, advanced sociology, anthropology, philosophy, religion, and economics

Area IV — Major Area
Qtr. Hrs. 30

*†Speech	5 hrs.
*†Sociology	5 hrs.
*Biology with lab in sequence	10 hrs.
*Chemistry	5 hrs.
Elective	5 hrs.
Total	30 hrs.

SUGGESTED COURSES:

Education or any of those suggested above

*Unless these courses are included as part of Areas I, II, or III.

†Required by the American Council on Dental Education.

The total number of credit hours necessary for application to the dental hygiene program is 90 quarter hours or 60 semester hours.

A personal interview is required of each candidate. Appointment is given at the time that the application is received by the Medical College of Georgia.

A minimum grade point average of 2.0 is required.

NOTICE:

The high school curriculum described in the Allied Health Sciences introductory section is recommended, but not required for dental hygiene application.

Fees and Expenses

Estimated Student Expenses Per Academic Year (3 quarters)	First Year	Second Year
Matriculation Fee*	435	435
Student Health fee	30	30
Student Activity fee	30	30
Books and Supplies	100	135
Instruments	150	—
Uniforms	175	—
Field trips	—	50
Housing**	330	330
Food	600	600
Personal, Miscellaneous	450	450
Total	**2,300**	**2,060**

*Resident Matriculation fee is $145 per quarter.
Non-Resident Tuition (in addition to matriculation fee is $240 per quarter.
**See Housing section of General Information for costs of various on-campus options. See General Information section for hospitalization and life insurance costs.
Note: Student Health and Activities fees are $10 each per quarter.

Curriculum

Junior Year Fall Quarter		Credit Hours
Anm 320	Human Anatomy & Physiology	5
Ortho 300	Oral Anatomy & Physiology	2
Psy 358	Human Behavior I	4
Dh 300	Clinical Dental Hygiene	3
Dh 320	Introduction to Patient Care (lecture)	3
Bio 301	Introduction to Chemistry	3
		20

Winter Quarter

Anm 321	Anatomy & Physiology	4
Mib 300	Microbiology	3
Bio 302	Biochemistry	3
Dh 314	Dental Radiology (theory)	2
Dh 301	Clinical Dental Hygiene	3
Dh 321	Dental Hygiene Lecture	1
Dh 404	Periodontics	2
		18

Spring Quarter

Anm 325	Head & Neck Anatomy	5
Dh 302	Clinical Dental Hygiene	3
Dh 322	Dental Hygiene Lecture	1
Dh 315	Dental Radiology	2
Dh 318	Growth & Development	2

Mib 301	Microbiology	3
Ph 413	Applied Nutrition	2
		18
Year's Total Credit Hours		56

Senior Year **Fall Quarter**		**Credit Hours**
Dh 424	Dental Assisting	2
Dh 408	Preventive Dentistry I	2
Omd 400	Oral Medicine	2
Dh 407	Introduction to Educational Media	2
Dh 400	Clinical Dental Hygiene	4
Dh 420	Dental Hygiene Lecture	1
Dh 412	Introduction to Public Health	2
Phm 311	Pharmacology and Anesthesiology	2
Dps 300	Dental Materials	2
		19
Winter Quarter		
Dh 406	Pathology	4
Dh 409	Preventive Dentistry II	2
Dh 401	Clinical Dental Hygiene	4
Dh 411	Public Health—Field Experience	3
Psy 458	Human Behavior II	4
Dh 421	Dh Lecture	2
		19
Spring Quarter		
Dh 425	Dental Assisting	2
Dh 402	Clinical Dental Hygiene	4
Dh 405	Principles of Dental Hygiene Practice	2
Dh 423	Public Health	2
Dh 422	Dental Hygiene Lecture	1
	Directed Teaching & Supervision Education Course	6
		17
Years Total Credit Hours		55
Two-Year Total Credit Hours		111

Course Descriptions

Anm 320, 325, 321. Sequential Courses. General Gross Microscopic and Developmental Anatomy.

Anatomy 320 and Physiology. (5 hours)
This is an integrated course of anatomy for dental hygiene students. It is initiated with cytology, early embryology, and basic histology. Following this, a study of gross anatomy, organology, and embryology is carried out on the vital systems.

Anm 325. Head & Neck Anatomy (5 hours)
Gross, Microscopic, and Developmental Anatomy (regions of the head and neck). This course includes a detailed study of these same facets of the oral cavity.

Anm 321. Gross, Microscopic and Developmental Anatomy. (4 hours)
This course includes the systems not covered in ANM 320 (Including the endocrine system). The course is completed with the regional study of the thorax, abdomen, pelvis, and extremities.

Bio 301. Introduction to Chemistry. (lecture 3 hrs.)
This course is designed for those who have had no previous chemistry or mathematics courses. It is a survey of important topics in inorganic and organic chemistry.

Bio 302. Biochemistry. (lecture & laboratory 3 hrs.)
The course is designed to provide the dental hygiene student with a general knowledge of the field of biochemistry. The chemical composition of body tissues and fluids together with the changes which occur in the life processes are studied. Special attention is given to those aspects of biochemistry which are more closely related to the field of dental hygiene.

Dh 300, 301, 302. Clinical Dental Hygiene. (clinic)
The courses in Dental Hygiene are designed and taught to present to the student a concept of the interrelation of clinical service, health education and interpersonal relationships. The ethical principle of the deliverance of a health service is based on the need of the individual. (3-3-3 hrs.)

Dh 312. Oral Anatomy and Physiology. (lecture)
The course is designed to provide the student with a basic knowledge of the topographical anatomy and prenatal development of oral structures, the nomenclature of the teeth, the comparative forms and functions of the teeth, the microanatomy of the teeth and their supporting structures, and of normal and malocclusion. (2 hours)

Dh 314 & 315. Radiology. (lecture, demonstration and directed exp.)
The course is designed to acquaint the student with the fundamentals of radiology. Intra-oral technics for the taking and processing of radiographs are taught and clinical time is afforded for the application of these principles. (2-2 hours)

Dh 318. Growth and Development. (lecture and demonstration)
The concepts of maturation, variation and mormalcy in children, both in a statistical and clinical sense, are presented to help the student understand children as patients. Application of these concepts are made during clinical experiences with children. (2 hours)

Dh 320, 321, 322. Dental Hygiene Lecture. (3-1-1 hr.)
The major goal of the Dental Hygiene Lecture Series is to provide the student with fundamental material and scientific knowledge to enable her to become engaged in the clinical services of an oral prophylaxis and patient education. Lectures, visual aids, and student instruction question and answer participation will be used to accomplish this goal.

Dh 400, 401, 402. Clinical Dental Hygiene. (clinic 4-4-4 hours)
An overview of the various principles and methods of performing clinical procedures will be presented, including expansion of basic techniques. Supplemental procedures will be discussed with the emphasis on prevention through treatment and patient education. Clinics provide student opportunity for practical application.

Dh 404. Periodontics. (lecture & demonstration 2 hours)
The course contains fundamental material which will provide a sound background and working knowledge of periodontics. A basic understanding of periodontics is necessary for the dental hygiene student to realize the significance of patient education and of the dental prophylaxis, her primary clinical responsibilities.

Dh 405. Principles of Dental Hygiene Practice. (lecture 2 hours)
In preparation for graduation and entry into community and professional life, discussions will be held concerning dental hygiene employment, private practice environments, legal situations, ethical codes of conduct, business procedures and professional organizations.

Dh 406. Pathology. (lecture & laboratory 3 hours)
This course is designed to familiarize the dental hygiene student with common diseases of the oral regions. Emphasis is placed on clinical manifestations, but histopathological findings are not excluded. The course is not designed to build diagnostic skills, but the student will gain an understanding of oral disease processes and should be able to differentiate normal from common abnormal structures.

Dh 408, 409. Preventive Dentistry. (lecture and demonstration (2-2 hours)
The theoretical basis and research evidence supporting a variety of currently accepted methods for preventing oral disease are discussed. Students are introduced to the practice of these methods in clinical situations.

Dps 300. Dental Materials. (lectures and demonstration)
The information concerning dental materials is based on physical, mechanical and chemical principles. The indications and limitations of materials used in both clinical and laboratory procedures will be discussed. The biologic relationships of dental materials and procedures will be stressed along with emphasis being placed on the proper manipulation of materials used by dental hygienists. (2 hours)

Dh 411. Directed Field Experience, Incl. Ecology.
Directed field experience will be given to the dental hygiene students to study the pattern and relationships between man and his environment. 3 hours.

Dh 412. Introduction to Public Health. (lecture 2 hours)
This course is designed to provide

the dental hygiene student with a working definition of public health and of dental public health, to acquaint her with the nature and scope of public health activities, criteria for priorities, and the traditional tools of public health. It is intended that the student will have an understanding of the basics of the statistical method, and will be familiar with the milestones in the development of the public health movement.

Dh 413. Applied Nutrition (lecture and demonstration 2 hours)
The course follows earlier courses dealing with bio-chemical aspects of nutrition. Oral manifestations of faulty nutrition are presented. The student is instructed in diet history taking and dietary counselling.

Dh 420, 421, 422. Dental Hygiene (lecture 1-1-1 hour)

Dh 423. Public Health. (lecture 2 hours)

Mib 301. Microbiology. (lecture and demonstration 3 hours)
A comprehensive study of microbiology for students of dental hygiene. The course covers systematic microbiology, microbial physiology and metabolism, sterilization, infection and resistance, and the microbiology of the mouth.

Mib 302. Microbiology (lecture and demonstration 3 hours)
A comprehensive study of microbiology for students of dental hygiene. The course covers the microbiology of dental caries, periodontal disease, endodontics, wound and soft tissue infection and infectious diseases with oral manifestations.

Phm 311. Pharmacology and Anesthesiology. (lecture 2 hours)
This course is designed to acquaint the dental hygiene student with certain concepts of drug action in the human. Knowledge of drugs is important so that the hygienist can assume her proper role as a member of an oral health team.

The following areas will be covered and related to oral health care: 1) General Principles of Pharmacology and Drug Action, 2) Methods of Drug Administration, 3) The Health History and Its Significance for Dental Therapy, 4) Chemotherapy and Antisepsis, 5) Autonomic and Cns Pharmacology 6) Local and General Anesthesia, 7) Therapy of Blood Defects, and 8) Therapy in Important Systemic Diseases.

Dh 407. Introduction to Educational Media.
A survey of audiovisual media as effective means for achieving educational objectives. Emphasizes selection and use of both commercially available and simple locally produced instructional materials in a large group or individual communication interaction.

Dh 324, 325. Dental Assisting.
The course in dental assisting is designed to allow the dental hygiene student to obtain an overview of dental office procedure. She should gain a general knowledge of the various procedures performed by each member of the dental office team.

Omd 400. Oral Medicine.
The course in Oral Medicine is designed to aid the student in recognizing the signs and symptoms of oral disease. The course will relate oral disease to systemic disease, teach the student to recognize the signs and symptoms of systemic disease and the oral manifestations of systemic disease.

Psy 358, 458. Human Behavior I and II. (lecture 4-4 hours)
The course objective is to provide the hygiene student with a basic understanding of normal and abnormal behavior so that a greater awareness of self needs, needs of others, and acuity in interpersonal relationships is made possible. The course deals with the influence that people have upon the beliefs and behaviors of others. It is the study of social influence and processes involved in behavior and behavioral change.

Medical Illustration

Chairman: Orville A. Parkes, B.S.

The Medical College of Georgia offers a program leading through the Bachelor of Science degree to the Master of Science in Medical Illustration. The program combines instruction in the materials, techniques and uses of medical illustration with appropriate basic medical science courses.

Emphasis is placed upon the development of proficiency in the techniques of medical illustration especially in visualizing the areas of anatomy, surgery, and pathology. Course content includes proper presentation of statistical material, the design and production of scientific exhibits, the planning and production of audio-visual materials, the modeling and casting of tri-dimensional subjects, and the fundamentals of printing and publishing medical art.

Stress is placed upon the acquisition of basic medical knowledge as well as upon the means by which scientific information can be communicated visually. Training includes experience in the operating rooms, autopsy area, clinics and experimental surgery area as well as the art studio and classrooms.

Objectives

Modern medicine is making increased use of the artist's talents to transmit information and ideas through a variety of communication media including publications, motion pictures, television, exhibits and three-dimensional models. The medical illustrator must know the limitations placed upon his creative efforts by each of these media in order to produce effective artwork. How the material is to be used strongly influences both the interpretation of subject matter and the choice of art medium. The style of rendering may vary from extremely detailed realism to simple diagram.

Medical illustrators work in a variety of art media and techniques. Their assignments may include such varied projects as a simple graphic design for a brochure, a diagram of laboratory apparatus, a series of detailed drawings of a surgical procedure, an animation sequence for a motion picture, or a series of visuals produced for a slide-cassette learning unit. Their projects may use line, continuous tone, color, photography or a combination of these. Most illustrators cover a vast range of scientific and medical subjects, but some focus their interests within one of the medical specialities. The growing use of innovative learning materials in the health sciences has created other specialized areas of involvement. Some medical illustrators are called upon to make artificial anatomical parts when cosmetic or functional improvement is required. The artist may work as a member of a research team, not

only to provide illustrations, but also to assist with the research problem.

Accreditation

The Department of Medical Illustration meets the "Standards of Education for Schools of Medical Illustration" and is accredited by the Association of Medical Illustrators.

Admission Requirements

General undergraduate admission requirements and procedures are listed elsewhere. Only those requirements pertinent to the program in Medical Illustration are listed here. Admission requires a high degree of drawing ability developed through training in art plus a general background in the biological sciences and the humanities. Applicants are considered on the basis of their academic qualifications, evidence of superior drawing ability, and appraisals from college instructors.
Specific requirements are:

1. Attendance at an accredited college or university attaining a minimum of 90 quarter hours of acceptable work in the following categories:

	Quarter Hours
Art	40
(Basic Drawing, Life Drawing, Advertising Illustration, Design, Perspective, Watercolor, other techniques, including acrylic, oils, pen & ink, graphics, with emphasis on rendering from observed material.)*	
Biological Science	30
(Zoology, Comparative Vertebrate Anatomy, Human Physiology, Vertebrate Embryology and Histology.)*	
Liberal Arts	20
(English, American History, Political Science, Psychology, Sociology, Languages, Philosophy.)*	

* These are simply suggested courses that give a sound background for the specialized course of study in medical illustration. A student would be expected to take only as many as are necessary to meet admission requirements.

2. Submission of a portfolio of artwork which demonstrates the drawing abilities and scope of art training of the applicant.

Fees and Expenses

Estimated Student Expenses: Per Academic Year (3 quarters)	First Year	Second Year	Third Year
Matriculation Fee*	435	435	435
Student Health Fee	30	30	30
Student Activity Fee	30	30	30
Books and Supplies	125	75	125
Uniforms	10	10	10
Housing**	390	390	390
Food	600	600	600
Personal (laundry, travel, Misc.)	500	500	500
Total	2,120	2070	2,120

* Resident Matriculation fee is $145 per quarter.
Non-Resident Tuition (in addition to matriculation fee) is $240 quarter.
** See General Information section for various on-campus housing options. See General Information section for hospitalization and life insurance costs.
Note: Student Health and Activities fees are $10 each per quarter.

Curriculum and Application

The total academic curriculum leads to the degree of Master of Science in Medical Illustration. The first part of this curriculum consists of two years of study in the School of Allied Health Sciences, leading to the degree, Bachelor of Science in Medical Illustration. The second part consists of a year of work in the School of Graduate Studies. Students should apply with the intention of completing the total curriculum.

The curriculum is as follows:

Applicants who already have a baccalaureate degree before applying will be enrolled in the same 3-year program, starting as an undergraduate candidate for the Bachelor of Science degree in Medical Illustration.

Applications and portfolios must be received prior to April 15 of the year in which September enrollment is desired. The program of study begins only in the Fall Quarter. Applicants will be notified of the final action taken on the application by May 1.

First Year

Fall Quarter		Quarter Hours
Mil 350.	Techniques of Medical Illustration I	9
Mil 355.	Presentation of Data	4
Anm 701.	Gross Anatomy	5

Winter Quarter

Anm 701.	Gross Anatomy	5
Mil 351.	Techniques of Medical Illustration II	5
Mil 359.	Commercial Medical Illustration	2
Mil 361.	Ophthalmological Illustration	2
Mil 365.	Medical Photography I	2
Mil 378.	Clinical Surgery	4
** **Bio 314.**	Physiology	5

Spring Quarter

Mil 352.	Techniques of Medical Illustration III	8
Mil 358.	Anatomical Sculpture	4
Mil 363.	O.R. and Surgical Drawing	4
Mil 366.	Medical Photography II	2

Second Year

Fall Quarter

Mil 450.	O.R. and Surgical Drawing	4
Mil 458.	Advanced Medical Photography I	2
Mil 461.	Color Rendition	4
Anm 813.	Histology	8

Winter Quarter

Mil 451.	O.R. and Surgical Drawing	6
Mil 462.	Color Rendition	6
Mil 459.	Advanced Medical Photography II	2
Mil 464.	Television Survey of Learning Resources	2
Anm 703.	Neuroanatomy	4

Spring Quarter

Mil 452.	O.R. and Surgical Drawing	6
Mil 463.	Color Rendition	6
Mil 460.	Advanced Medical Photography III	2
Mil 453.	Medical Publishing	1
Mil 475.	Statistics	2
Mil 480.	Television	2

** see course description.

Course Descriptions

Anm 701. Gross Anatomy. (First and second quarter, 10 quarter hours.)
A lecture and laboratory course which requires participation in a satisfactory dissection of the human body.

Mil 350, 351, 352. Techniques of Medical Illustration. (Three quarters, 22 quarter hours.)
Instruction is given in the use of the media of the medical illustrator, including carbon dust, pen and ink, watercolor and airbrush.

Mil 355. Presentation of Data. (First quarter, 4 quarter hours.)
The student learns to use mechanical lettering equipment and basic drafting instruments in the presentation of scientific data as diagrams, charts and graphs.

Mil 358. Anatomical Sculpture. (Third quarter, 4 quarter hours.)
The student models anatomical subjects in clay, then casts them in plaster, latex or other materials.

Mil 359. Commercial Medical Illustration. (Second quarter, 2 quarter hours.)
The student prepares artwork for commercial reproduction from basic layout to separated mechanical that is camera-ready for the printer.

Mil 361. Ophthalmological Drawing. (Second quarter, 2 quarter hours.)
Drawings of the fundus of the eye are accomplished from ophthalmoscopic observation. Course includes illustrating other normal and pathological eye anatomy.

Mil 363. O.R. and Surgical Drawing. (Third quarter, 4 quarter hours.)
Students observe surgical procedures in the operating rooms of the hospital and make rough sketches for later completion. The sketches serve as the basis for finished, detailed illustrations using art media previously studied.

Mil 365, 366. Medical Photography. (Second and third quarters, 4 quarter hours.)
Students receive instruction and experience in elementary photography and film processing.

Bio 314. Physiology. (First year, 5 quarter hours.)
A study of the actions and functions of the various systems of the human body.
Note: Students who have undergraduate credit in human physiology prior to entrance here will be exempt from this class at Augusta College.

Mil 378. Clinical Surgery. (First year, 4 quarter hours.)
An experienced-oriented course in which the student performs standard surgical procedures upon anesthetized animals, administers anesthesia, and becomes familiar with sterile technique and other operating room routine.

Mil 450, 451, 452. O.R. and Surgical Drawing. (Three quarters, 16 quarter hours.)
Student sketches a variety of surgical procedures while observing in the operating rooms, and uses these sketches back in the art studio as reference material for rendering accurate, finished illustrations.

Mil 458, 459, 460. Advanced Medical Photography. (Three quarters, 6 quarter hours.)

Advanced training in studio and laboratories of the medical photography service unit: copywork, patient photography in the hospital studio and in the operating rooms, photomicrography and basic motion picture photography.

Mil 461, 462, 463. Color Rendition. (Three quarters, 16 quarter hours.)
The student is working primarily in watercolor developing drawings of anatomical and medical subject material. The course includes the viewing of the cavities of the body using cystoscope, bronchoscope, proctoscope, etc., and the color rendering of material observed and the equipment used.

Anm 813. Histology. (First quarter, 8 quarter hours.)
A study of the cells, tissues and the organs of man as related to their function.

Mil 453. Medical Publishing. (Third quarter, 1 quarter hour.)
A study of the printing processes used to reproduce artwork in line, tone and color, as well as related areas of publishing such as typography, composition, and platemaking.

Mil 480. Television. (Third quarter, 2 quarter hours.)
Instruction in the illustrator's role in a television production unit. Student is introduced to the equipment and production methods of closed circuit television, with emphasis on graphics and program planning.

Mil. 475. Statistics.
(Third quarter, 2 quarter hours.)
Instruction and specific class problems in the depiction of statistical material for various methods of visual presentation.

Anm 703. Neuroanatomy. (Second quarter, 4 quarter hours.)
The study of the gross and microscopic structure of the human nervous system and organs of special sense.

Mil 464. Survey of Learning Resources. (Second quarter, 2 quarter hours.)
An introduction to current learning concepts with emphasis on trends in visual educational resources. Student gains experience in techniques and methods of planning, production and presentation of visual materials in a variety of communication media.

Requirements for the Bachelor of Science Degree in Medical Illustration

In addition to the 90 quarter hours of transfer credit permitted as noted in Admission Information, a minimum of 90 quarter hours of credit must be earned in this department toward the baccalaureate degree.

A grade average of "B" must be accomplished in at least 75 per cent of all courses in residence in order to meet the requirements for graduation.

Recommendation for Graduation

Recommendations for graduation are made by the faculty of the Department of Medical Illustration.

Qualifying Examination for the Master of Science Degree

During the Spring quarter of the senior year, students will be given the qualifying examination for admission to the graduate course of study.

Graduate Year of Study

Prerequisites, curriculum, course outlines, and other details regarding the graduate year of study in Medical Illustration will be found in the section for the School of Graduate Studies.

Medical Record Administration

Chairman: Juanita Sirmans, RRA, A.B.

This department offers a program of studies leading to the Bachelor of Science degree in Medical Record Administration. This program was approved in 1962 by the Board of Regents of the University System of Georgia. Students are accepted after completion of two years of college. The curriculum of the last two years utilizes the facilities of Augusta College and the Medical College of Georgia. Professional educational activities are provided in the teaching hospital of the College, Eugene Talmadge Memorial Hospital, University Hospital, and other institutions in the city of Augusta, and hospitals in other cities in Georgia and adjoining states. Student enrollment is limited.

The program of the junior and senior years includes liberal arts courses, study and experience in medical record administration, statistics, fundamentals of medical science, law as related to medical records and hospitals in general, medical information handling, organization and administration and systems of processing data in medical care institutions.

Objectives

A medical record administrator is responsible for the development and maintenance of a system of medical records which will promote the best medical care for the patient, provide training materials for interns and residents, and serve as a source of information for medical research and clinical evaluation.

Most medical record administrators are employed in hospitals. Others work in clinics, medical research centers, medical departments of insurance companies, health agencies and local and state health departments.

The demand for qualified personnel is great and the number of unfilled positions is increasing, largely due to the increase in the number of hospitals and the complexity of medical records.

As a member of the health care team, the medical record administrator works with the administrative, medical, and other professional staffs of the institution; he is concerned with the development, analysis, maintenance and use of records and reports.

The Department of Medical Record Administration of the Medical College of Georgia has as its goal the education of mature persons who are capable of utilizing the vast resources of the institution to acquire knowledge and attain pro-

fessional status. The student is encouraged to set his own goals and, through faculty leadership, develop to his fullest potential. It is expected that graduates will be equipped to become productive and contributory members of the profession and the institution in which they are employed and capable of accepting the responsibilities of management and service required of them. It is hoped that graduates will acquire advanced degrees and become teachers and leaders in this challenging field of health science.

Accreditation

The Department of Medical Record Administration is approved by the Council on Medical Education of the American Medical Association and by the American Medical Record Association.

Graduates are eligible for the registration examination of the American Medical Record Association, successful completion of which entitles them to use the title "Registered Record Administrator" (RRA).

Admission Requirements

The applicant may attend any accredited college or university of his choice for the freshman and sophomore years; however, admission and academic requirements of the Medical College of Georgia must be met. Preference will be given to those applicants who have demonstrated superior ability in all academic areas. All applicants must satisfy the U.S. and Georgia History and Constitution requirements by examination or by taking the courses. Courses listed in the Augusta College catalog as History 211 or 212 and Political Science 101 meet this legislative requirement and these or equivalent courses may be taken in summer school or by correspondence through the University of Georgia. It is the responsibility of each student to make arrangements for these courses or to complete satisfactorily an examination on the subjects; it is recommended that arrangements be made prior to enrollment at the Medical College of Georgia.

Accepted students transfer to the Medical College program in Medical Record Administration at the beginning of the third year. Admission requirements, in addition to those listed in the General Information section, include a curriculum for the freshman and sophomore years which shows a minimum of 90 quarter hours (exclusive of Physical Education) of acceptable work as follows:

	Quarter Hours
English	20
Mathematics	5-10
Foreign Language	10
Natural Science, to include a laboratory course in Biology	20
Social Science and Electives	30-35
TOTAL	90

*Students find that experience in learning a foreign language will be beneficial in mastering the language of medicine. Latin is of particular value. If the student has high school credit in a foreign language, this requirement may be relinquished.

**Courses in the Natural Sciences may include general biology, chemistry, botany, vertebrate zoology or comparative vertebrate anatomy, one of which must include laboratory animal dissection. Courses in human anatomy and physiology are offered as a part of the professional curriculum at the Medical College of Georgia.

***Students are encouraged to take at least one course which will enhance their ability to analyze problems and data. Some courses appropriate from which to chose are: Logic (Philosophy), Research Methods, Computer Programming, Higher Mathematics and Statistics.

It is also recommended that students take at least one course in Psychology. Those courses which would be of particular benefit include Principles of Psychology, Social Psychology, Personality and Adjustment, or Applied Psychology.

Either credit or proficiency in typing must be demonstrated.

All admission prerequisite courses must be completed prior to registration in the Fall Quarter of the senior year.

The faculty of the Department of Medical Record Administration is prepared to assist prospective students in planning courses for the first two years of college.

Fees and Expenses

Estimated Student Expenses Per Academic Year	First Year	Second Year
Matriculation fee*	435	435
Student Health fee	30	30
Student Activity fee	30	30
Books and Supplies	125	75
Uniforms	75	—
Housing**	330	330
Food	600	600
Personal miscellaneous	450	450
Total	**2,075**	**1,950**

* Resident Matriculation fee is $145 per quarter.
Non-Resident tuition (in addition to matriculation fee) is $240 per quarter.

** See General Information section for the cost of on-campus housing options. See General Information section for hospitalization and life insurance costs.
Note: Student health and Activities fees are $10 each per quarter.

Special Fees and Expenses

The student should make provision for living expenses for one month while on assignment to hospitals outside the city of Augusta. Students are encouraged to attend professional meetings for which they will bear the expense of travel, room and board, and registration fee. Such meetings do not usually last more than two days.

Financial Assistance

The American Medical Record Association has limited funds for loans to senior students in this program. Information may be secured from the office of the Chairman of the Department of Medical Record Administration. For information on other funds available, see the General Information section.

Curriculum

At the beginning of the third year of college the student enters the program at the Medical College of Georgia. Courses in the professional program are offered on this campus and at Augusta College. Organized courses are described below. Directed experiences are planned in several hospitals, principally at Eugene Talmadge Memorial Hospital, the teaching hospital for the Medical College of Georgia. Only grades of "C" or above are acceptable in professional courses.

Junior Year		Quarter Hours
Fall Quarter		
Ahs. 300.	The Health Care Environment	3
Anm 320.	Anatomy and Physiology I	5
Mra 301	Medical Terminology I	2
Mra 310.	Theory of Medical Record Administration I	4
Mra 319.	Fundamentals of Management	3
Total		**17**
Winter Quarter		
Anm 321.	Anatomy and Physiology II	5
Mra 302.	Medical Terminology II	3
Mra 320.	Organization and Administration I	3
Mra 340.	Directed Experience I	1
	Elective	5
Total		**17**
Spring Quarter		
Mra 311.	Theory of Medical Record Administration II	6
Mra 321.	Organization and Administration II	3
Mra 341.	Directed Experience II	2
Mra 401.	Fundamentals of Medical Science I	5
Total		**16**

Senior Year

Fall Quarter		Quarter Hours
Mra 402.	Fundamentals of Medical Science II	5
Mra 410.	Theory of Medical Record Administration III	5
Mra 420.	Organization and Administration III	3
Sta 301.	Elementary Medical Statistics	3
Mra 440.	Directed Experience III	1
Total		**17**

Winter Quarter		
Mra 422.	Legal Concepts for the Health Fields	3
Mra 411.	Theory of Medical Record Administration IV	4
Mra 421.	Organization and Administration IV	3
Mra 430.	Data Processing Systems I	6
Total		**16**

Spring Quarter		
Mra 425.	Director's Seminar	3
Mra 431.	Data Processing Systems II	3
Mra 441.	Directed Experience IV	6
Total		**12**

Ahs 300 b. The Health Care Environment. (3 quarter hours.) An introductory study of the present system of health care on the local, state, national and international levels. The changing pattern of health manpower needs and the emerging trends of health care are explored. Selected patient studies are used to present the social, cultural and economic aspects of health care delivery.

Anm 320, 321. Anatomy and Physiology. (10 quarter hours (5,5).)
A course in human anatomy and physiology designed especially to meet the needs of students in the allied health sciences. Consists of lectures, demonstrations, and laboratory activities.

Mra 301, 302. Medical Terminology. (5 quarter hours (2,3).)
A study of the language of medicine including word construction, definition, and use of terms related to all areas of medical science, hospital services, and health related fields.

Mra 310, 311, 410, 411. Theory of Medical Record Administration. (19 quarter hours 4, 6, 5, 4 respectively).
A survey of the history and development of medical record systems; an in-depth study of the principles of securing, analyzing, processing, preserving, and using medical data; development of indexes, registers, and hospital statistics; inter-relationships of various types of institutions and agencies involved in health care.

Mra 319. Fundamentals of Management. (3 quarter hours.)
An introductory study of the management process and the fundamental functions of planning, organizing, actuating, and controlling with emphasis on managerial planning.

Mra 320. Organization and Administration. (3 quarter hours.)
A study of the planning function of management as related to office management in a medical record department.

Mra 321. Organization and Administration II. (3 quarter hours.)
An in-depth study of the organizing and controlling functions of management.

Mra 420. Organization and Administration III. (3 quarter hours.)
A study of the actuating function of management covering such topics as psychology of personnel, selection and placement of personnel, employee training, salary administration, and supervision.

Mra 421. Organization and Administration IV. (3 quarter hours.)
Student projects and research designed to utilize skills and knowledge from other courses related to management of a medical record department. Independent study.

Mra 340, 341, 440, 441. Directed Experience. (10 quarter hours 1, 2, 1, 6 respectively.)
Supervised learning experience through which the student develops insight, understanding and skill in record keeping in hospitals and other medical institutions. The student learns to deal with problems of department and personnel management, accepts responsibilities for certain jobs in the medical record department, gains experience in working with professional and non-professional groups in a health agency, and recognizes the need for preservation of the confidentiality of medical information.

Mra 401, 402. Fundamentals of Medical Science. (10 quarter hours 5,5.)
An introduction to medical science including study of nature and cause of disease, treatment and management of patients. Presented by the physicians representing all of the major clinical areas of medicine.

Mra 422. Legal Concepts for the Health Fields. (3 quarter hours.)
Principles of law affecting health records; rights of persons requiring information from medical records; medicolegal problems; court procedures; principles of ethics; management of release of information from hospital medical records.

Mra 425. Director's Seminar. (3 quarter hours.)
Seminar on situations encountered in medical record departments in hospitals, clinics, and other medical facilities.

Sta 301. Elementary Medical Statistics. (3 quarter hours.)
The student is introduced to basic statistical principles; classification, analysis, interpretation, and presentation of data; and research methodology.

Mra 430. Data Processing Systems I. (6 quarter hours.)
A study of the application of newer techniques of data processing, data management, and information storage and retrieval to the needs of medical institutions. Emphasis is placed on problem solving and systems design.

Mra 431. Data Processing Systems II. (3 quarter hours.)
Practical application of principles and procedures presented in Mra 430.

Travel Releases

Students under 21 years of age will be required to file with the Chairman of the Department written permission by parents or guardian for travel by public and/or private carrier.

Medical Technology

Chairman: Armand B. Glassman, M.D.

Medical Technology is an established allied health profession providing patient diagnosis and treatment through laboratory application of biological, immunologic and chemical principles. The curriculum is designed to take advantage of rapid advancement in the art and science of medical technology. Innovative and interested full time faculty educators, all of whom have had practical experience, provide the foundation for an excellent educational opportunity. A primary goal of our program is to encourage a graduated academic experience so that the student can gain increasing confidence and competence in the variety of subjects which will have to be mastered in order to engender the best in patient care. Hopefully continued revision of the curriculum will permit an opportunity for emphasis in specific areas of student interest in an adaptative way for the future.

Accreditation

The Medical Technology program is approved by the Council on Medical Education of the American Medical Association in collaboration with the Commissioner of Medical Technology and with the Board of Schools of Medical Technology of the American Society of Clinical Pathologists.

Graduates are eligible for examination by the Registry of Medical Technologists of the American Society of Clinical Pathologists.

Fees and Expenses

Estimated Student Expenses Per Academic Year	Junior Year	Senior Year*
Matriculation fee**	435	580
Student Health fee***	30	40
Student Activities fee***	30	40
Books and Supplies	210	280
Uniforms****	100	—
Housing*****	330	440
Food	600	800
Personal, miscellaneous	450	600
Total	**$2,185**	**$2,780**

* Senior year requires four quarters to complete.

** Non-Resident, Tuition (in addition to matriculation fee) $240 per quarter.

*** Student Health and Student Activity fees are $10 each per quarter.

**** During Clinical Practicum—senior year—female students are required to wear white uniforms and shoes; male students are required to wear shirts with tie, trousers and short white lab coats.

***** See General Information for the cost of on-campus housing options. See General Information section for hospitalization and life insurance costs.

Application Procedures

Application forms with instructions for completing the admission procedure may be obtained from the Office of Undergraduate Admissions. Applications for the entering class of September, 1973 must be filed no later than April 15. Early application is recommended. No application fee is required. Students applying for September admission will be notified by April 15. Students applying for January admission will be notified by September 15. Students applying for March admission will be notified by January 15. Students applying for June admission will be notified by March 15.

Students may begin their senior years in either the summer or fall quarter. When notified of acceptance, the applicant is requested to accept or decline the appointment in writing to the Department of Medical Technology. The Department should be notified no later than six weeks prior to the intended admission date.

Requirements for Admission

Admission and academic requirements of the Medical College of Georgia must be met. Applicants may attend any accredited college or university of their choice for the freshman and sophomore years. Accepted students transfer to the Medical College of Georgia program in Medical Technology at the beginning of their third year. Preference will be given to those applicants who have demonstrated superior ability in all academic areas. A personal interview is required of all applicants. Admission requirements, in addition to those listed in the General Information Section, include a curriculum for the freshman and sophomore years which contains a minimum of 90 quarter hours (exclusive of Physical Education) of acceptable work. All applicants must satisfy the U.S. and Georgia History and Constitution requirements by examination or academic courses. It is the responsibility of each student to make arrangements for these courses or to complete satisfactorily an examination on the subjects. These arrangements should be made prior to enrollment at the Medical College of Georgia.

Curriculum

At the beginning of the third year of college the student enters the program at the Medical College of Georgia. Courses in the professional program are offered on this campus and at Augusta College. Clinical experiences are planned at the Eugene Talmadge Memorial Hospital and the University Hospital, Augusta, Georgia.

Years Total Credit Hours

All students must satisfy the three year requirements of the Registry of Medical Technologists of the American Society of Clinical Pathologists before admission to senior standing. These requirements include a minimum of 24 quarter hours of Chemistry and 24 quarter hours of Biology.

Scholarship and Promotion

Promotion of student from one year to the next is dependent upon the satisfactory completion of each

year's work. Promotions are considered on the basis of recommendations by individual instructors, on departmental evaluations, and on the student's total record.

The faculty has the obligation and right to determine the methods of evaluation by performance or by examination, and to evaluate each student individually. Comprehensive examinations will be scheduled at the end of the fourth year.

Core requirements for admission to the junior year include:

	Quarter Hours	Semester Hours
English	20	12
Humanities		
Speech		
Sciences		
Chemistry	15-20	9-12
Biology	15-20	9-12
Mathematics	10	6
Physics	5	3
Social Science	5-15	3-9
Political Science		
American History		
Free Elective	5-10	3-9
Total	**90**	**60**

Junior Year	**Quarter Hours**
Chemistry	5-10
Biology	10-15
Electives*	15-30
	45

*Includes Medical Technology courses and possible free electives.

Senior Year Quarter Hours	
Hs 400. Introduction to Management Decision Concepts	3
Mtc 440. Clinical Chemistry	8
Mtc 442. Clinical Practicum Chemistry	7
Mtc 445. Quality Control	3
Mtc 448. Microbiology	8
Mtc 449. Clinical Practicum Microbiology	7
Mtc 472. Immunohematology Related to Transfusion Services	7
Mtc 473. Clinical Practicum Blood Bank	7
Mtc 481. Hematology	7
Mtc 482. Clinical Practicum Hematology	7
Mtc 493. Medical Technology Seminar	1
Mtc 494. Directed Individual Study	TBA
Years Total Credit Hours (MINIMUM)	**60**

Course Descriptions

Junior Level (Lecture-Lab-Credit)

Mrs 301A. Medical Terminology (3-0-3)
A study of anatomy and terms related to all medical science, hospital services, and health related specialties, taught as a part of Mrs 301. See Medical Records for course description.

Mtc 362. Instrumentation (5-0-5)
A course in laboratory instrumentation covering the working principles of those instruments used in laboratory medicine.

Bio 201. Invertebrate Zoology (3-4-5)
Prerequisites: Biology 102 or 103.
An examination of the morphology, physiology and life histories of representative invertebrates. (Augusta College)

Bio 202. Vertebrate Zoology (3-4-5)
Prerequisites: Biology 102 or 103.
The morphology, physiology, and life histories of representative vertebrates. (Augusta College)

Bio 301. Cell and Molecular Biology (3-4-5)
Prerequisites: Biology 102 or 103, Chemistry 102, and permission of Instructor.
The biochemical composition, the microscopic and fine structure and the capabilities of cells. (Augusta College)

Bio 302. Genetics and Development (3-4-5)
Prerequisite: Biology 301.
The historical and contemporary aspects of mechanisms of inheritance. The genetic basis of biological variation and differentiation. (Augusta College)

Bio 311. Introductory Microbiology (3-4-5)
Prerequisites: 10 hours of biological science and 5 hours of chemistry or permission of the Instructor. A study of microorganisms and their relationship to human welfare. (Augusta College)

Bio 312. Comparative Vertebrate Anatomy (3-4-5)
Prerequisites: Biology 102 or 103.
An examination of the gross morphology of various selected types of chordates. The development of a modern phylogenetic point of view. (Augusta College)

Mtc 363. Urinalysis (2-3-3)
Basic analysis and microscopic examination of urine and its use as a diagnostic tool.

Mtc 370. Introductory Microbiology (4-4-5)
Lectures, demonstrations and laboratory instruction in the nature of microorganisms, medical bacteriology and virology. Content will include morphology, physiology and taxonomy of representative microorganisms; bacteria and viruses of medical importance and their relation to diseases of man.

Mtc 371. Medical Mycology and Parasitology (3-4-5)
Introduction to fungi and yeasts of medical importance, including isolation, identification, pathogenesis, treatment and safety precautions. To also include the study of more common isolates classified as contaminants in the clinical laboratory. Introduction to techniques for the examination and identification of parasites which infest man.

Mtc 375. Basic Immunology (2-3-3)
Basic principles of immunology; antigenic and antibody response with serologic methodology.

Mtc 381. Fundamentals of Clinical Hematology (3-8-5)
Prerequisites: Mtc 362 and 375, or permission of Instructor.
Blood cell derivation, maturation and function with emphasis on normal blood and bone marrow morphology. Basic principles of hemostasis and blood coagulation. Study and interpretation of basic hematologic procedures utilized in diagnosis and treatment of various blood dyscrasias and hemorrhagic disorders. Practical experience is gained in all basic procedures using both manual and automated technics.

Bio 314. Principles of Physiology (3-4-5)
Prerequisites: Biology 102 or 103, and Chemistry 341.
A comparative study of the physiological control mechanisms.
The main themes include sensory reception, the mechanisms of homeostasis, transformation of energy by living systems and the physiology of effector systems. (Augusta College)

Bio 315. Histology (3-4-5)
Prerequisites: Biology 102 or 103.
A descriptive study of tissues composing various organs of the vertebrate body. (Augusta College)

Anm 320. Anatomy and Physiology (5 quarter hrs)
Course description is listed under Medical Records.

Anm 321. Anatomy and Physiology (5 quarter hrs)
Course description is listed under Medical Records.

Chm 103. Introductory Analytical Chemistry (3-6-5)
Prerequisite: Chm. 102.
A continuation of Chm. 102 and includes ionic equilibria, pH, buffers, solubility products, and hydrolysis. The laboratory includes separation and identification principles and practices for common cations as well as introductory quantitative analysis. A non-compulsory problem session one day per week is normally scheduled. (Augusta College)

Chm 245. Basic Organic Chemistry and Biochemistry (4-2-5)
Prerequisite: Chm. 101 or 105.
Fundamental elements of organic chemistry and biochemistry, emphasizing biochemical changes taking place in life processes. (Augusta College)

Chm 281. Quantitative Inorganic Analysis (3-8-6)
Prerequisite: Chm. 103.
The theories, principles, and practices of volumetric, gravimetric, and elementary instrumental analysis. (Augusta College)

Chm 341. Organic Chemistry I
Prerequisite: Chm. 102. (4-3-5)
A systematic study of the composition, nomenclature, preparations, and reactions of compounds of carbon. Reaction mechanisms will be introduced. (Augusta College)

Chm 342. Organic Chemistry II (4-3-5)
Prerequisite: Chm. 341.
A continuation of Chm. 341. (Augusta College)

Cmb 345. Biochemistry (4-3-5)
Introduction to physiologic chemistry and its changes and effects in disease.

Sta 301. Elementary Medical Statistics (3-0-3)
Basic statistical principles, sampling, classification of data, classification of types of studies, interpretation and methods of presentation of medical information.

Senior Level

Hs. 400. Introduction to Management Decision Concepts (3-0-3)
Course description is listed under Management Decision Concepts.

Mtc 440. Clinical Chemistry (5-9-8)
A transition from basic chemistry to chemistry as applied to medicine. Fundamental concepts as they pertain to colloids in relation to carbohydrates, fats, and proteins. Methodology of examination of body fluids, secretions and excrements.

Mtc 445. Quality Control (3-0-3)
Quality control including statistical, biological and mechanical methods as applied to all areas of the clinical laboratory.

Mtc 442. Clinical Practicum Chemistry (5-30-7)
Prerequisite: Mtc 440
Practical application and techniques in Clinical Chemistry.

Mtc 448. Clinical Microbiology (5-9-8)
Prerequisites: Mtc 370, Mtc 371
Distribution and nature of pathogenic microorganisms; mechanisms of transmission, pathogenesis; principles of communicable diseases and disease control; diagnostic methods of isolation and identification including serological methods. Theoretical and practical knowledge presented so that students work with materials and problems related to diagnostic microbiology.

Mtc 449. Clinical Practicum—Diagnostic Microbiology (5-30-7)
Prerequisites: Mtc 448
Practical application of diagnostic techniques in the hospital microbiology laboratory.

Mtc 472. Immunohematology Related to Transfusion Service (3-3-4)
A basic outline of immunogenetics, the fundamentals of antigen-antibody reactions, and a survey of the various blood group systems as they relate to medicine with practical experience and personal instruction in all aspects of blood banking, including donor room experience from the interviewing of donors to the proper drawing of a unit of blood. In the preparation areas, the proper procedures and controls in the preparation of a unit of blood for distribution to the crossmatching line are taught. In problem assignments students learn how to approach the identification of an unknown antibody, the titering of antibodies, and how to work toward the identification of an unknown blood group.

Mtc 473. Clinical Practicum Blood Bank (5-30-7)
Prerequisite: Mtc 472
Practical application and techniques in blood banking.

Mtc 474. Diagnostic Immunology (2-4-4)
Prerequisite: Mtc 375 or permission of Instructor
Comprehensive methodology in theoretical principles for diagnostic immunology.

Mtc 481. Clinical Hematology (5-8-7)
Prerequisites: Mtc 345, 370, and 381, or permission of Instructor
An in depth study of qualitative and quantitative changes in peripheral blood and bone marrow cells found in pathologic disorders. Correlation of hematologic tests with

other clinical findings in the diagnosis of various blood dyscrasias. Practical experience is gained in cytochemical study of blood cells, tests utilized in the differential diagnosis of hemorrhagic disorders, and the study of abnormal peripheral blood and bone marrow films. Study and interpretation of case history studies. Students participate in Hematology Grand Rounds, Hematology Conferences and Laboratory Medicine Case History Presentations.

Mtc 482. Clinical Practicum Hematology (5-30-7)
Prerequisite: Mtc 481
Practical application and techniques in hematology.

Mtc 493. Seminar in Medical Technology (1-0-1)

Mtc 494. Directed Individual Study (To be Arranged)

Requirements for Graduation

In addition to the 90 quarter hours of transfer credit permitted as noted in the Admission Requirements, a minimum of 105 quarter hours of credit must be earned in this department towards the baccalaureate degree. Recommendations for graduation are made by the faculty of the Department of Medical Technology.

Other Programs

Primary emphasis and consideration will be given to those students participating in the 2 + 2 program designed by the Department to be the most effective and comprehensive means for preparing the student as a career professional in Medical Technology.

On infrequent occasions students of special capabilities or unique interests from other institutions including the University of Georgia in Athens may be accepted as seniors if space in the class is available. At present our plan is to fill all senior classes from juniors on the Medical College of Georgia campus.

Occupational Therapy

Chairman: Nancy D. Prendergast, M.Ed., O.T.R.

Objectives

Occupational therapy is a health profession which contributes to the physical and emotional independence and well-being of an individual through the use of selected activities. The focus of occupational therapy is meaningful involvement in problem-solving tasks and productive performance to promote and maintain health, evaluate behavior, diminish dysfunction and pathology, and enhance the capacity to function with satisfaction to self and others.

The frame of reference for occupational therapy is derived from the biological and behavioral sciences with particular emphasis on those

aspects related to man's acquisition and integration of behavior necessary for self-care, productivity and social development.

The following paragraph under "Objectives"

The functions of occupational therapists are to:

A. Serve the individual client or patient by:
   1. Assessing his performance capacities and deficits.
   2. Selecting tasks or activity experiences appropriate to his defined needs and goals.
   3. Facilitating and influencing his participation and investment.
   4. Evaluating his response, assessing and measuring change and development.
   5. Validating assessments, sharing findings and making appropriate recommendations.
B. Provide consultative services in relation to the profession and its functions.
C. Provide administrative and supervisory leadership for occupational therapy programs.
D. Facilitate and participate in community health care planning and activities.
E. Promote, plan, implement and conduct research for the benefit of the public and the growth of the profession.

Upon referral from qualified physicians and others in the broader health care community, the registered occupational therapy may focus on one or more of the following:

Prevention and Health Maintenance, which has as its purpose the fostering of normal development, sustaining and protecting existing functions and abilities, preventing disability and/or supporting levels of restoration or change.

Remediation, which focuses on the reduction of pathology or specific disability, providing task and activity experiences which may diminish the particular impairment, restore or develop the individual's capacity to function.

Daily Life Tasks and Vocational Adjustment, which are primarily concerned with work adaptation and work role adjustment and where the tasks chosen are those which will promote and teach independent functioning, develop and enhance the ability to work and/or fulfill age-specific life tasks and roles.

Opportunities

The registered occupational therapist works in general and special hospitals, clinics, rehabilitation centers, public health and other community agencies, nursing homes, special schools and neighborhood health centers as well as in private practice and in colleges and universities.

There is an acute shortage of registered occupational therapists. Thousands of positions at all levels are witing to be filled and new positions are being created.

Fees and Expenses

Estimated Student Expenses Per Academic Year (3 quarters)	First Year	Second Year
Matriculation Fee*	435	435
Student Health Fee	30	30
Student Activity Fee	30	30
Books and Supplies	200	150
Uniforms	60	-00
Field Trips and Travel	75	250
Housing**	330	330
Food	600	600
Personal, miscellaneous	450	450
Total	**2,210**	**2,275**

* Resident Matriculation fee is $145 per quarter.
Non-resident tuition (in addition to matriculation fee) is $240 per quarter.
** These are approximate costs for those who wish to live on campus.
Note: Student Health and Activities fees are $10 each per quarter.

Special Needs

Students who are accepted into the program must be prepared to travel to facilities throughout the Southeast United States to complete the full-time field work requirements in the senior year of study. Some travel may also be required to facilities in Georgia and South Carolina during the junior year. Financial assistance for these additional expenses cannot be guaranteed although every effort will be made to assist students with major financial problems.

Admission Requirements

Applicants may attend any accredited college or university of his choice for the freshman and sophomore years; however, all requirements of the Medical College of Georgia must be met.

The following subjects or subject areas are to be included in the students pre-professional course work:

	Quarter Hours
Biological Sciences:	
Biology	10
Chemistry	10
Chemistry	5
Physics	5
Behavioral Sciences:	
General Psychology	5
Abnormal Psychology	5
Introductory Sociology	5
Advanced Sociology	5
English	10
History and/or Anthropology	10
Mathematics	5

Electives:

It is suggested that some electives be taken in fine and applied arts, manual arts, and/or home economics.

Interested applicants should contact the Medical College of Georgia, School of Allied Health Sciences, Department of Occupational Therapy as early in their academic program as possible.

Application Procedure

Application forms with instructions for completing the admission procedure may be obtained from the office of the Registrar.

Early application is recommended. No application fee is required.

1. It is best to complete all application requirements by April 15 of the year in which one is applying for admission in September. Applications completed after this time will be considered on a space available basis.
2. Have a personal interview with the Chairman or other designated person prior to April 30 of the year one is applying for fall admission.
3. Have completed at least 90 quarter hours (60 semester hours) exclusive of physical education with a minimum grade point average (on a 4.0 system) of C (2.0) overall and C + (2.5) in the sciences.

Financial Aid

In addition to the sources of financial aid available to all College students, there are some sources available specifically for students enrolled in an occupational therapy curriculum. For information on these sources contact: Chairman, Department of Occupational Therapy, Medical College of Georgia.

Curriculum

The curriculum in Occupational Therapy at the Medical College of Georgia is planned in accordance with the essentials of an accredited curriculum in occupational therapy as established by the Council on Medical Education of the American Medical Association and the American Occupational Therapy Association.

The occupational therapy curriculum is designed as a continuum of learning experiences so organized as to facilitate the personal and professional growth of the student. While the main objective of the program is to prepare the student to function as a clinician, because of the nature of the profession, he must be exposed to concepts of education, research and management.

The curriculum has three major components: human biology and pathology, the developmental process and interruptions to the process, and alternatives to dysfunction.

The human biology component serves as the basic structure from which the student derives knowledge and understanding of the body and its systems. The human development component serves to identify those aspects of most concern to occupational therapy and as a vehicle for analysis of the activities in which man engages at various ages and stages of life. Concurrently, disease and dysfunction in man will be studied with the major emphasis on contemporary health problems and issues.

Laboratory, clinical and community experiences are utilized extensively throughout the curriculum to provide for active involvement of the student in his learning. Major emphases are on the social-cultural milieu of the community and examination of the development of the individual's capacities and roles in the family, school and community. The adaptation and modification of activities, design of adaptive equipment and devices, prosthetics

and orthotics is included in the laboratory and clinical experiences.

Full time field work is undertaken in the senior year. A minimum of six months field experience is required. A portion of this experience may be taken during the summer following the junior year.

The final quarter of the senior year includes the study of newer and more advanced occupational therapy procedures and processes, principles of management, an independent study and an introduction to research design and methodology.

A Bachelor of Science degree and a Certificate of Clinical Proficiency are awarded upon successful completion of the curriculum and fulfillment of the requirements of field work. The graduate is then recommended to sit for the national registration examination leading to admission to the National Registry maintained by the American Occupational Therapy Association.

Physical Therapy

Chairman: Bella J. May, Ed.D.

Physical Therapy is one of the allied health professions dedicated to the rehabilitation of handicapped individuals. As a member of the health care team the physical therapist utilizes a variety of therapeutic measures, including exercise, heat, electricity, etc., to help the patient regain the maximum amount of function possible within the limits of his disability.

Patients are referred to the physical therapist by physicians who guide the overall activities of the health care team. The physical therapist must be able to determine the extent of functional loss, then plan and execute an appropriate therapeutic program in close cooperation with the physician, nurse, occupational therapist, social worker and other health care professionals.

Physical therapists are employed in a variety of health care facilities such as hospitals, rehabilitation centers, convalescent homes, schools, public health facilities, and clinics; some enter private practice. In addition to direct patient evaluation and treatment they may be called upon to supervise personnel, serve as consultants for various community agencies, teach or do research.

Opportunities

Physical therapy is a rapidly expanding career field with projected needs far greater than available personnel. Salaries are commensurate with other professions requiring baccalaureate degrees; opportunities for advancement are limited only by the individual's capabilities and motivation. Increasing public demand for a greater quantity and an improved quality of health care services will continue to increase the employment opportunities. The recent addition of the physical therapy assistant in this field will free the therapist for greater involvement with varied and challenging health care positions.

Objectives

Physical therapy is an interactive process with the patient as a full partner in the program. The physical therapist must establish a cooperative relationship with each

patient and his family. It is imperative for the physical therapist to have an understanding of human behavior and responses and to find the human relation process interesting and fulfilling. He must also have an interest in and an aptitude for scientific study.

Requirements for Admission

Applicants may attend any accredited college or university of his choice for the freshman and sophomore years; however, all requirements of the Medical College of Georgia must be met. Preference will be given to those applicants who have demonstrated superior ability in all academic areas. In planning his course work for the first two years the student should provide himself with a broad base of experiences to help him identify his areas of interest and competence as well as to give him a wide background to meet the varied challenges of modern society. Physical therapy is a profession which requires a knowledge of human behavior, physical and psychological, as well as a knowledge of man's history, literature, art, music, communicative skills, society past and present, economic problems, educational patterns and business methods. Prospective applicants are encouraged to contact the Department of Physical Therapy early in their academic careers to insure their completing the necessary prerequisites. Accepted students are admitted to the program at the beginning of the junior year of study.

Specific Requirements

In addition to the general admission requirements listed by the Medical College, School of Allied Health Sciences, applicants should have:

	Quarter Hours
Humanities	20

This should include at least 2 courses in grammar, composition, or writing skills. The remainder may be in literature, art, music, foreign languages, etc., or a combination of these areas.

Social Science	15

Including but not limited to history, political science, sociology, anthropology, philosophy, etc. Prior to graduation students must satisfy the U.S. and Georgia History and Constitution requirements by examination or course work. It is recommended that this be completed prior to transfer to the College.

Psychology	10-15

In addition to general or introductory psychology, the student should try to select courses dealing with some aspect of human behavior and human growth and development.

Mathematics	5
Sciences	
Chemistry	5-10
Physics	5-10

Students must complete at least one laboratory course each in general chemistry & general physics. It is recommended that at least 2 courses be taken in each area.

Biology	15

Students must complete the equivalent of 15 hours of laboratory courses in the biological sciences. Acceptable courses include: Biology, zoology, embryology, genetics, and other laboratory courses in the biological sciences.

Electives	5-15

Application Procedure

Application forms with instructions for completing the admission procedure may be obtained from the office of Undergraduate Admission.

Early application is recommended. No application fee is required.

1. Applications must be filed by April 1, all paperwork must be completed by April 15 of the year in which one is applying for admission in September.
2. Have a personal interview after application and transcripts have been filed but prior to April 30. Early scheduling of interviews is recommended.
3. Have completed at least 90 quarter hours (60 semester hours) exclusive of physical education with a minimum grade point average (on a 4.0 system) of C(2.0) overall and C (2.5) in the sciences.

Completed applications will be reviewed in May of each year and applicants will be notified of the final action on their applications by June 1.

Financial Aid

In addition to the sources of financial aid available to all College students there are some sources available specifically for students enrolled in a physical therapy curriculum. For information on these sources contact: Chairman, Department of Physical Therapy, Medical College of Georgia.

Special Needs

Students who are accepted into the program must be prepared to travel to facilities throughout the Southeast United States to complete the internship requirements during the senior year of study.

Fees and Expenses

Estimated Student Expenses Per Academic Year	First Year (12 months)	Second Year (9 months)
Matriculation Fee*	580	435
Student Health Fee	40	30
Student Activity fee	40	30
Books and Supplies	250	120
Uniforms	100	40
Field Trips	50	900
Housing**	440	330
Food	800	600
Personal, miscellaneous	600	500
Total	**2,900**	**2,985**

* Resident Matriculation fee is $145 per quarter.
Non-resident tuition (In addition to Matriculation fee) is $240 per quarter.

** These are approximate costs for those who wish to live on campus.
Note: Student Health and Activities fees are $10 each per quarter.
See General Information section for hospitalization and life insurance costs.

Some travel will also be required to facilities in Georgia and South Carolina during the junior year. Financial assistance for these additional expenses cannot be guaranteed although every effort will be made to assist students with major financial problems.

Curriculum

The curriculum covers the junior and senior years including the intervening summer leading to a Bachelor of Science degree with a major in physical therapy. A detailed study of normal human function, structures, and systems is followed by a study of the various pathological conditions which interfere with function and the medical, surgical and therapeutic procedures which are utilized to enable the patient to regain the maximum amount of function possible. Students are also introduced to basic research procedures, supervisory and management activities and educational systems in health care.

Classroom, laboratory, clinical and independent study experiences are provided. The clinical facilities are selected to provide a broad base of experiences in a variety of settings.

The curriculum has been designed to meet the accreditation requirements of the Council on Medical Education of the American Medical Association and of the American Physical Therapy Association. Graduates will be eligible for the licensing examination required for the practice of physical therapy.

Junior Year		**Quarter Hours**
Fall Quarter:		
Anm 330.	Advanced Systemic Anatomy	6
Phy 330.	Advanced Systemic Physiology	4
Pth 300.	Dynamics of Human Function I	5
Ahs 300.	Health Care Environment	3
	Total	18
Winter Quarter:		
Anm 331.	Neuroanatomy	5
Phy 331.	Neurophysiology	4
Pth 301.	Dynamics of Human Function II	2
Pth 340.	Interpersonal Communication	5
Pth 320.	Clinical Experience I	1
	Total	17
Spring Quarter:		
Pth 310.	Concepts of Dysfunction I	10
Pth 331.	Community Health	5
Pth 321.	Clinical Experience II	1
	Total	16
Summer Quarter:		
Pth 311.	Concepts of Dysfunction II	10
Pth 322.	Clinical Experience III	2
	Total	12

Senior Year			Quarter Hours
Fall Quarter:			
Pth 410.	Concepts of Dysfunction III		8
Pth 430.	Research Methodology		5
		Total	13
Winter Quarter:			
Pth 411.	Concepts of Dysfunction IV		4
Pth 432.	Designs for Administration		5
Pth 440.	Independent Study		1-5
Pth 420.	Clinical Experience IV		3
		Total	13-18
Spring Quarter:			
Pth 433.	Seminar		1
Pth 434.	Learning Processes		5
Pth 441.	Independent Study		8-10
Pth 421.	Clinical Experience V		3
		Total	17-20

Pth 340. Interpersonal Communications. (Offered Winter Quarter, Junior Year)
The course is designed to assist the student to develop interpersonal communications skills and to serve as an introduction to the principles and techniques used in the helping process.

Pth 310, 311, 410, 411. Concepts of Dysfunction I-IV. (A continuum covering the Spring and Summer Quarters of the Junior Year and the Fall and Winter Quarters of the Senior Year)
The study of all relevant pathological, medical and therapeutic concepts related to the practice of physical therapy. Included are physical therapy techniques and procedures, evaluative processes and development of treatment programs in relation to dysfunction. Classroom and laboratory experiences spiraling from the simple to the complex are utilized to help the student develop the necessary skills in physical therapy. Experiences related to the psychological, philosophical, economic, social and vocational aspects of illness and disability are included in appropriate areas. Seminar, independent study, and other active learning techniques are utilized throughout the sequence. Concepts are cummulative and continued growth is dependent on mastery and utilization of previous knowledge.

Pth 331. Community Health. (Offered Spring Quarter, Junior Year)
The study of public and community health programs and the role of physical therapy in community medicine. Classroom and directed experiences in various aspects of community health.

Pth 432. Designs for Administration. (Offered Winter Quarter, Senior Year)
Theories and application of

administrative activities including personnel relations, budgeting, planning, organizing and operating a physical therapy department.

Pth 440, 441. Independent Study. (Offered Winter and Spring Quarters, Senior Year)
Time and credit for independent study and special experiences is given to each student during the senior year. The purpose is to provide the student with the opportunity to study some aspect of physical therapy and health care in depth. These experiences are designed by the student with guidance from appropriate members of the faculty. Credit awarded is determined by the project but all students must participate in some aspect of independent study prior to graduation.

Pth 433. Seminar. (Spring Quarter, Senior Year)
A seminar to explore special problems in physical therapy and health care.

Ahs 300. The Health Care Environment. (Fall Quarter, Junior Year)
An introductory study of the present system of health care on the local, state, national and international levels. The changing patterns of health manpower needs and the emerging trends of health care are explored. Selected patient studies are used to present the social, cultural, and economic aspects of health care delivery.

Anm 330. Human Systemic Anatomy. (4 lecture and 6 laboratory hours per week, Fall Quarter, Junior Year)
A course in gross anatomy with human dissection. The course covers all systems of the normal human except the nervous system. The course is offered for Occupational Therapy and Physical Therapy students and is integrated with Dynamics of Human Function and Human Physiology.

Phy 330. Human Systemic Physiology. (3 lecture and 3 laboratory hours per week. Fall Quarter, Junior Year)
Experiences in human systemic physiology are provided to Physical Therapy and Occupational Therapy students. Designed to provide an in depth understanding of the physiological function of all systems except the nervous system. Experiences integrated with Human Systemic Anatomy and Dynamics of Human Function I.

Anm 331. Neuroanatomy. (3 lecture and 6 laboratory hours per week, Winter Quarter, Junior Year.)
A detailed study of the human nervous system including dissection for students in Physical Therapy and Occupational Therapy. Concepts previously learned in ANM 330 and PHY 330 are utilized and expanded. Concepts are integrated with Neurophysiology and Dynamics of Human Function II.

Phy 331. Neurophysiology. (2 lecture and 4 laboratory hours per week. Winter Quarter, Junior Year)
A detailed study of the neurophysiology of the human. Concepts are closely integrated with Neuroanatomy and Dynamics of Human Function II. The course is designed to expand on concepts learned the previous quarter and is designed for Physical Therapy and Occupational Therapy students.

Pth 300, 301. Dynamics of Human Function I, II.
The study of kinesiology, biomechanics, growth and development, normal gait, and patterns of human motion. Classroom and laboratory experiences pre-

sented in the Fall and Winter quarters of the Junior year and closely integrated with anatomy and physiology.

Pth 434. Learning Processes. (Spring Quarter, Senior Year) Introduction to learning theory with application to physical therapy and special emphasis on inservice and continuing education.

Pth 320, 321, 322, 420, 421. Clinical Experience I-V. Clinical experience in a variety of health care facilities are provided beginning in the Winter Quarter of the Junior year and continuing through the remainder of the curriculum.

The Physician's Assistant Program

Director: John R. Palmer, M.D.

The Primary Care Physician's Assistant program at the Medical College of Georgia has been developed to meet a health care need within Georgia and the nation. Its graduates will be able to serve effectively as assistants to primary care physicians in a wide range of practices including rural or urban, solo or group, private or institutional.

Plans for the program have been over a year in the making and are designed to fit within the State of Georgia's legal definition and acceptance of the Physician's Assistant.

Accreditation

The status of the Physician's Assistant has been given legal definition and acceptance in the Georgia State Code, H.B. 1591 and 1592. Application for curriculum approval by the American Medical Association is in process.

Opportunities

A Physician's Assistant will be trained to assist a primary care physician who today increasingly feels mounting demands upon his professional time. The Physician's Assistant will be able to function under the supervision of the physician, and through his ability to collect a wide range of medical findings and to exercise a degree of independent judgment, relieve the physician. He will be able to perform numerous examinations and therapeutic procedures, thus enabling him to assist in the care of a significant number of patients.

Objectives

The Physician's Assistant will learn to gather data for personal and medical histories in a tactful manner; to perform basic physical examinations and some special examinations and laboratory tests; and to provide some general diagnoses, basic treatments, and emergency treatments. He will also be taught health facility management, and about personal and professional development.

Requirements For Admission

Personal and academic requirements of the Medical College of Georgia must be met by candidates seeking entry to the Physician's Assistant program.

A personal interview and appropriate documentation of experiences will be required prior to admission.

A candidate must be of excellent physical and mental health, of high moral and ethical character, and must have a strong sense of social/personal concern.

Students will be recruited from applicants who have had previous medical experience or training, from disadvantaged and minority groups, females, or residents of medically underserved areas.

Specific Requirements

Academic: High school diploma or passing General Education Development (GED) scores/Acceptable College Entrance Examination Board-Scholastic Aptitude Test (CEEB-SAT) score/Two years of college credit or its equivalent.

A. Collegiate academic requirements prior to admission to the program may be fulfilled through equivalency, but only with approval of the program director.

B. With the program director's permission, the GED equivalency test scores may be used for high school credit and acceptable scores on College Entrance Examination Board and College Level Examination Program for some or all freshman/sophomore college credits.

C. Applicants wishing to transfer college credits from an accredited institution should note that a minimum of 90 quarter hours, (exclusive of physical education), of acceptable work is needed.

D. Ex-military personnel should contact USAFI Headquarters, Madison, Wisconsin 53713 to get GED scores. For CEEB-CLEP scores, write College Level Examination Program, Box 1821, Princeton, New Jersey 08540. For CEEB-SAT scores, write Education Testing Service, Box 592, Princeton, New Jersey 08540.

E. All applicants must satisfy the U.S. and Georgia History and Constitution requirements. These may be satisfied if such course work (10 hours credit) is a part of the 90-hour requirements, or by undertaking additional course work, or by equivalency examination. It is the student's responsibility to make arrangements for the satisfaction of this requirement, prior to enrollment. Augusta College offers this work or the equivalency test may be taken at Augusta College, Augusta, Ga. 30904, (Director of the Testing Bureau).

Prior Credits Suggested for Admission

Courses	Quarter Hours
English (including the Humanities)	20
Physical Sciences	
Chemistry	10-15
Biology	10-15
Physics	5
Social Sciences (including History and Psychology)	10-20
Mathematics	5
Electives	10-20
Total	90

Application Procedures

Application forms for completing the admission procedures may be obtained from the Office of Undergraduate Admissions, Medical College of Georgia, Augusta, Georgia 30902. Applications for those entering the September class should be forwarded promptly and they must be completed by April 15. When notified of acceptance, the applicant is requested to accept or decline promptly the appointment in writing to the program director.

Financial Assistance

Financial aid information may be obtained by writing the Financial Aid Office, Medical College of Georgia, Augusta, Georgia 30902. Applicants seeking financial aid should obtain such information at the time of application and request such aid immediately.

Fees and Expenses

Item	(Jr. year)*	(Sr. Year)*
Matriculation Fee**	$ 580	$ 580
Student Health Fee	40	40
Student Activities Fee	40	40
Books and Supplies	280	280
Uniforms and Instruments	255	
Housing***	600	600
Food	800	800
Misc. (transportation, personal, etc.)	600	600
Total	**$3,195**	**$2,940**

* Each academic year consist of four quarters
** Non-resident tuition, add $240 per quarter
*** Fee based on estimated cost of college dormitory facilities. Rooms available on a quarterly basis.

Certification

The student who satisfactorily completes the Physician's Assistant program will receive a Bachelor of Science degree from the Medical College of Georgia with a Primary Care Physician Assistant major designation.

He will also receive certification of satisfactory completion of a Physician Assistant program from an accredited institution.

Recommendation For Graduation

Recommendations for graduation are made by the faculty of the Physician's Assistant Program.

Further Information

For further information, contact:

Office of Undergraduate Admissions
Medical College of Georgia
Augusta, Georgia 30902

Junior and Senior Physician's Assistant Courses

(160 quarter hours of credits, as shown, will be required)

Subjects

Clinical Anatomy
Clinical Physiology
Biochemistry
Microbiology
Clinical Pathology
Embryology
Development and Growth (early, middle, and aged)
Self-Protection Techniques
Data Recording
History, Philosophy, and Ethics of Medicine
Medical Terminology
Clinical Techniques and Procedures
Clinical Practice
Symptomatology
Laboratory Examination
Data Processing
Obstetrics
Psychosomatics
Medicine and the Law
Pharmacology
Public Health
Health Professions
Pharmacy and Therapeutics
Special Instrumentation (including radiology)
Data Resources
Clinic Preceptorship (work-study in first summer)
Professional Organizations and Activities
Specialty Techniques and Procedures
Public Speaking
Elective
Health, Education, and Medicine
Health Careers
Health Facility Management
Family Practice Techniques and Procedures
Family Practice Preceptorship (work-study in second summer)

Radiologic Technology

Chairman: C. H. Hall, M.S.R., R.T., F.R.S.H.
Medical Director: Mark D. Brown, M.D.

Radiologic Technologists are assistants to physicians who specialize in the use of x-rays and other forms of ionizing Radiation, to diagnose and treat diseases and injuries.

Objectives

The program at the College was inaugurated to produce Radiologic Technologists with the kind of educational background that will better enable them to deal with recent developments in Radiologic Technology.

Radiologic Technologists with some years of experience are encouraged to enter the program in order to improve their education, so that they may put the technical knowledge they have gained to better use.

Students entering the field for the first time will be better prepared to move on into positions of leadership and responsibility.

Accreditation

The Radiologic Technology program is approved by:
The Board of Regents of the University System of Georgia
The Council on Medical Education of the American Medical Association
The Joint Review Committee on Education in Radiologic Technology
The American College of Radiology and its Commission on Technologists Affairs
The American Registry of Radiologic Technologists

Requirements for Admission

The general requirements for admission are set-out in General Information. In addition, the nature of the work to be undertaken requires that an applicant be healthy and of good physique. The applicant must also show an understanding and sympathetic appreciation of the needs of sick patients. Preference will be given to those applicants who have demonstrated satisfactory academic ability, particularly in scientific subjects.

Fees and Expenses

Student health fees of $10 per quarter and the student activities fee of $10 per quarter are required of all students. Students provide for their own food, lodging and uniforms. Students may live on campus at a reasonable cost (see General Information). Students without previous training in Radiologic Technology may be paid a stipend during the time that they are completing the clinical portion of the program. This is the first two years and is conducted in the department of Radiology.

Estimated Student Expenses Per Academic Year

	First Year (12 mos)	Second Year (12 mos)	Third Year (9 mos)	Fourth Year (9 mos)
*Matriculation fee	435	435	435	435
Student Health fee	30	30	30	30
Student Activities fee	30	30	30	30
Books and Supplies	100	50	75	75
Uniforms	100	25	25	50
Totals	695	570	595	620

*Resident Matriculation fee is $145 per quarter.
Non-resident tuition (In addition to Matriculation fee is $240 per quarter.) Additionally, estimated housing, food, and personal expenses were not included due to general individual variance. In developing a personal budget, do not fail to include these items. Information on hospitalization and life insurance is in the General Information section.

Financial Aid

A number of sources of financial aid are available to students of Radiologic Technology and information regarding them is obtainable through the Medical College Financial Aid Office.

Programs

There are three major areas in which a Radiologic Technologist can be certified: Diagnostic Radiologic Technology, Nuclear Medicine Technology, and Radiation Therapy Technology. To qualify for one of the latter certifications, additional study is required.

1. Associate of Science Degree

A 24 month course of study leading to an Associate of Science degree in Radiologic Technology. This program is open to high school graduates, with or without previous college credits. This program prepares students to take the American Registry Of Radiologic Technologists National Examination.

2. Bachelor of Science Degree

This program is open to Radiologic Technologists with or without previous college credit. The duration of this course depends on individuals previous college credit. A validation examination is available for Radiologic Technologists who wish to attend college for a B.S. degree.

3. Nuclear Medicine Technology

This additional 12 month program is open to Registered Radiologic Technologists, Registered Nurses, Registered Medical Technologists or persons with Bachelor of Science

degrees. This program prepares students to take the American Registry of Radiologic Technologists National Examination.

4. Radiation Therapy Technology

This additional 12 month program is open to Radiologic Technologists, Registered Nurses or Nuclear Medicine Technologists. This program prepares students to take the American Registry of Radiologic Technologists National Examination.

Students enrolling in the degree program follow a course combining scholastic studies at Augusta College and highly specialized training within the Department of Radiology at the Medical College of Georgia. The prevailing academic standards at both these institutions must be met.

All radiologic courses closely follow the recommendations set forth in the Curriculum and Teachers Syllabus for Schools of Radiologic Technology, published by the American Society of Radiologic Technologists.

While great care will be taken not to jeopardize a student's academic security it must be realized that this is a developing program, and courses may be added or deleted as necessary to improve the quality of the curriculum.

Curriculum

1. Associate of Science Degree Program.

Course	Quarter Hours
Eng. 101, 102	10
Math. 101	5
*History 211	5
*Political Science 101	5
Physical Science 101	5
Total	30
Rad. 101, 111, 121, 201, 211, 221	6
Rad. 102, 112, 122, 202, 212, 222	6
Rad. 103, 113, 123, 203, 213, 223	6
Rad. 104, 114, 124, 204, 214, 224	6
Rad. 105, 115, 125, 205, 215, 225	6
Rad. 106, 116, 126, 206, 216, 226	30
Total	60

Additional clinical hours are included throughout the 1st and 2nd. years to meet the requirements of the American Registry of Radiologic Technologists.

*Electives may be substituted for these courses if their requirements have been met by the exemption examination on the History and Constitution of the United States and Georgia.

2. Bachelor of Science Degree Program.

Course	Quarter hours
English 101, 102	10
Humanities 221, 222	10
Mathematics 101, 102 (through Trigonometry)	10
Science	
Four courses from Biology, chemistry, physics	20
Electives	10
*History 211	5
*Political Science 101	5
Educational Psy 304	5
Social Sciences (Psychology, philosophy, language, economics, business, western civilization)	15
Unrestricted Electives	10
Total	90

Rad 406, 416, 426	15
Rad 407, 417, 427	6
Rad 431	3
Rad 451	3
Rad 452	3
Anatomy 320, 321	10
MRS 401	5
Total	45

Validation Examination

*Electives may be substituted for these courses if their requirements have been met by the exemption examination on the History and Constitution of the United States and Georgia.

3. Nuclear Medicine Technology.

Course	Didactic Instruction In Hours Per Year
Review of Mathematics	30
Atomic Structure of Matter	15
Interactions of Radiations with Matter	40
Radioactivity	25
Radiation Detection	20
Radiation Protection	20
Instrumentation	50
Basic Laboratory Methods	20
Anatomy and Physiology Applied to Nuclear Medicine	25
Clinical Procedures	60
Reports and Record Keeping	5
Clinical Laboratory	1500
Total	1820

4. Radiation Therapy Technology.

Course	Didactic Instruction In Hours Per Year
Physics	30
Mathematics	25
Elementary Pathology	20
Radiobiology	12
Anatomy and Physiology	15
Nursing Procedures	10
Radium Therapy	20
Protection & Shielding	20
Ethics	10
Clinical Laboratory	1658
Total	1820

Course Descriptions

Rad 101, 111, 121, 201, 211, 221: Radiographic Anatomy & Physiology.
To give the student a basic knowledge of various systems, structures, and organs of the body and their functions.

Rad 102, 112, 122, 202, 212, 222: Radiographic Positioning.
To provide instruction in the radiographic positioning of the structures and organs of the body.

RAD 103, 113, 123, 203, 213, 223: Radiographic Film Critique.
A critical evaluation of the technical aspects of the finished radiograph. This includes: positioning, film identification, processing errors and radiographic quality.

Rad 104, 114, 124, 204, 214, 224: Radiographic Exposure.
To give the student a thorough understanding of the theory of x-ray technique and to correlate this knowledge wih practical application based on sound principles and practices.

Rad 105, 115, 125, 205, 215, 225: Radiographic Physics.
To teach the fundamentals of electrical and radiation physics and the basic principles.

Rad 106, 116, 126, 206, 216, 226: Radiographic Clinical Experience.
Experience in the Radiology Department including the observation and practice in the art of radiographic positioning and exposure.

The preceeding courses run consecutively for 3 quarters in the first year and 3 quarters in the second year.

Rad 406, 416, 426: Radiologic Technology.
A continuing study of radiographic techniques at a high level, but with an opportunity to specialize for a quarter each in one of the following, at the discretion of the advisor.

a. Departmental management
b. Diagnostic Procedures
c. Hemodynamics
d. Nuclear Medicine
e. Radiation Health Physics and Protection
f. Radiation Therapy
g. Special Procedures
h. Teaching

Rad 431: Advanced Radiologic Physics.
This course covers radiation physics, radiation therapy, dosimetry, and radiation protection.

Rad 451: Radiologic Sensitometry Laboratory.
Laboratory measurements and written reports on film latitude, speed, gamma. The validity of the reciprocity law and the resolving power and exposure time with screens are demonstrated by student experiments.

Rad 452: Nuclear Medicine Laboratory.
Basic Laboratory experiments using geiger counters, gamma spectrometers and other detecting equipment to illustrate the use of radioactive isotopes in nuclear medicine and their relationship to clinical medicine and diagnostic techniques.

Mrs 401: Medical Record Science.
Course description listed under Medical Record Science Curricula.

Requirements for Graduation

The General Information section contains requirements for graduation. The faculty of the Department of Radiologic Technology also makes recommendations for graduation based upon a student's ability to develop those qualities considered essential to the profession.

Radiologic Technology certificate and degree students are required to pass the National Registry requirements to be eligible for graduation.

Division of Systems and Computer Services

Director: James B. Mathews, Ph.D.
Associate Director: Richard E. Pogue, Ph.D.

The Division of Systems and Computer Services (DSCS) engages in educational, research and service programs in the management, statistical, biomedical engineering and computer sciences in support of education, research, health services and administration at the Medical College of Georgia. The Division's philosophy rests on the premise that an integrated program combining education, research and service will promote attainment of the goals of the College for these fields of study.

The faculty and professional staff of the Division engage in formal academic teaching and also conduct training courses, seminars and electives for MCG faculty, staff and students in the Division's areas of expertise. They participate, through special arrangements, in the Business Administration graduate program at Augusta College, and conduct courses, supervise practica and serve on thesis advisory committees of Georgia Tech graduate students engaged in health-related master's and doctoral research. Division faculty are currently planning an expanded academic program in health systems engineering, computer science, biostatistics and biomedical engineering to meet the growing needs of other academic programs within the College, with the aim of eventually offering a degree-granting program in these areas. Current course offerings are listed below.

The faculty and professional staff of the Division engage in intramural and extramural research projects in health facilities and health manpower planning; health information systems development; and basic science, clinical science and clinical services research. Division faculty participate in the program in Health Systems, a federally-funded program administered by the Health Systems Research Center of the Georgia Institute of Technology.

As a professional staff resource, the Division provides management and information systems development services; computer services; and biostatistical, biomedical engineering, management sciences, and computer sciences consultation for the schools, departments and administrative units of the university. Principal among these service activities of the Division are the development of integrated clinical information systems to support the patient care and clinical teaching role of the institution and improved management information systems for the College.

The Section of Biomedical Engineering is primarily involved in the support of research at the Medical College of Georgia by the

application of electronic and mechanical engineering technology to biomedical problems. The Electronic Shop is responsible for the maintenance and safety of all electronic instrumentation used in patient care and biomedical research, while the Electronic Development Lab is responsible for the design and construction of specialized prototype electronic equipment and also the development of small computer applications. The Research Machine Shop undertakes the design and construction of specialized equipment of a mechanical nature.

Hs 400. Introduction to Management Decision Concepts. (3 quarter hours; on demand)
An examination of the structure of management decisions in the health field. A framework of decision concepts is developed, using general principles of modern decision theory requiring only the most elementary mathematics.

Hs 401. Introduction to Management Science. (3 quarter hours; on demand)
A survey of quantitative techniques for describing and solving health management problems. Example techniques: critical path methods, linear programming, queueing theory, statistical sampling methods, scoring models, inventory models.

Hs 402. Economic Consequences of Management Decisions. (3 quarter hours; on demand)
A study of the principles of estimating dollar differences among decision alternatives. Estimation methods involve the notions of: rates of return (interest), compounding of interest, equivalent annual cost, break-even analysis, sensitivity, depreciation, replacement policies for capital equipment and similar cost estimation concepts.

Hs 410. Departmental Systems Management Techniques. (3 quarter hours; on demand)
An application-oriented course in management problem solving, tailored on demand for presentation to specific student groups. Case problems in specific hospital departments are the vehicles for presentation of systematic problem solving techniques and approaches. Example techniques are: work standards, staffing methods and performance measures; scheduling work activities, departmental organization; monitoring and controlling quality; cost reduction methods.

Hs 411. Work Simplification in Health Systems Management. (3 quarter hours; on demand)
A general "how to" course in the methods and approaches of work simplification, including work distribution analysis, flow process charting, work station design, man-machine charting, forms flow and simplification, and similar techniques.

Hs 412. Health Facilities Planning. (3 quarter hours; on demand)
A survey of facilities planning approaches and presentation of specific facilities planning techniques such as: functional proximity analysis, space layout principles and methods, materials handling systems analysis, use of two-and three-dimensional models.

Bioengineering

Geoffrey E. King, M.B.B.S.

Hs 650. Control Systems in Biology and Medicine. (3 quarter hours; on demand)
Many biological systems are regulated by feedback mechanisms that can be expressed and analyzed by mathematical techniques. Course work consists of lectures outlining the aspects of control theory applicable to biological systems and the simulation of selected systems on a digital computer.

Other Courses Taught by Division Faculty and Staff

Division faculty and staff also teach courses within other academic programs in the College. These courses include:

School of Graduate Studies:

Sta 601-602-603. (9 quarter hours)

Sta 801-802-803. (9 quarter hours)

School of Allied Health Sciences

Sta 301.	(3 quarter hours)
Pth 430.	(5 quarter hours)
Mrs 430-431.	(9 quarter hours)
Mrs 319, 321.	(6 quarter hours)

School of Medicine

Med 519. Electronic Instrumentation.

The modern biological scientist is assisted in his work by a wide range of electronic instrumentation to the point where an understanding of instrumentation techniques is vital. Biomedical Engineering has developed a teaching system which consists of a course in basic electronics which is a prerequisite to sub-courses in electronics for cardiovascular studies and digital circuitry. Other sub-courses on electrophysiology, instrumentation for biochemistry, and laboratory computer applications are in preparation. Appropriate sub-courses can be taken by a student to match his particular field.

Hs 420. Control Systems in Biology and Medicine. (3 quarter hours; on demand)
Many biological systems are regulated by feedback mechanisms that can be expressed and analyzed by mathematical techniques. Course work consists of lectures outlining the aspects of control theory applicable to biological systems and the simulation of selected systems on a digital computer.

Hospital Administration Residency

The College, in cooperation with colleges and universities offering graduate degrees in Hospital Administration, offers a residency in Hospital Administration at the Eugene Talmadge Memorial Hospital. The residency, which may vary in length from 9-12 months, follows a year of graduate study, and is the final phase of a curriculum leading to a Master's Degree.

The content of the residency varies according to the school in which the resident is enrolled, but usually includes periods of orien-

tation, rotation through hospital departments, and general administrative experience. The residency is under the preceptorship of the Hospital Director. The resident is provided a stipend to assist in meeting normal expenses.

References

An evaluation of the applicant is required from two persons, one of whom should be a practicing physician. In addition, an evaluation from the applicant's premedical advisor is required. Recommendations from other than these required sources are discouraged.

Application Procedure

The School of Medicine participates in the American Medical College Application Service (AMCAS), which means that application forms are issued by AMCAS upon receipt of an Application Request Card from the applicant. The Request Cards will be available after May 1, 1973, and can be obtained from local pre-medical advisors or the Office of Student Affairs, Medical College of Georgia. Also, an applicant may request application forms directly from AMCAS by writing to American Medical College Application Service, Association of American Medical Colleges, 1776 Massachusetts Avenue, N. W., Washington, D. C. 20036. The MCG deadline for filing applications (postmarked) with AMCAS for the entering class of September 1974, is December 1, 1973. Early application is urged by the Admissions Committee. No application fee in addition to the AMCAS fee is required.

When notified of acceptance, the applicant is required to make a deposit of $50.00 payable to the Medical College of Georgia, the sum to be applied toward payment of fees when the student enrolls. Should the applicant decide not to matriculate, the deposit will be refunded if requested before March 1, 1973.

Irregular Students

Faculty members holding doctorates in basic medical or biological sciences who wish to qualify for careers in fulltime academic or clinical research may enroll as irregular students in special instances.

Requirements for admission as an irregular student are available from the Office of Student Affairs. Before final acceptance as an irregular student, applicants must obtain approval from the Dean of the School of Medicine for the proposed course of study.

The College assumes no responsibility for future curriculum changes which might alter such programs.

Admission with Advanced Standing

Applicants in good standing in accredited two or four year medical school will be considered for admission to the appropriate advanced level of the curriculum when student space permits. Details should be obtained from the Office of Student Affairs.

Appendixes

Appendix A

University System of Georgia Board of Regents

		Current Term
Philip H. Alston, Jr., Atlanta	State-at-Large	1971-1978
John A. Bell, Jr., Dublin	State-at-Large	1970-1977
Roy V. Harris, Augusta	State-at-Large	1967-1974
William S. Morris, III, Augusta	State-at-Large	1967-1974
Sam A. Way, III, Hawkinsville	State-at-Large	1972-1976
Mrs. Hugh Peterson, Sr., Ailey	First District	1970-1976
John I. Spooner, Donalsonville	Second District	1968-1975
John H. Robinson, III, Americus	Third District	1972-1979
John R. Richardson, Conyers	Fourth District	1970-1977
W. Lee Burge, Atlanta	Fifth District	1968-1975
David H. Tisinger, Carrollton	Sixth District	1971-1978
James D. Maddox, Rome	Seventh District	1966-1973
Charles A. Harris, Ocilla	Eighth District	1971-1978
James A. Dunlap, Gainesville	Ninth District	1966-1973
Carey Williams, Greensboro	Tenth District	1972-1979

Officers And Staff

George L. Simpson, Jr.	**Chancellor**
John O. Eidson	**Vice Chancellor**
John W. Hooper	**Associate Vice Chancellor**
Henry G. Neal	**Executive Secretary**
Shealy E. McCoy	**Vice Chancellor-Fiscal Affairs and Treasurer**
James E. Boyd	**Vice Chancellor-Academic Development**
Frank C. Dunham	**Vice Chancellor-Construction and Physical Plant**
Mario J. Goglia	**Vice Chancellor-Research**
Howard Jordon, Jr.	**Vice Chancellor-Services**
Harry B. O'Rear	**Vice Chancellor-Health Affairs**
James L. Carmon	**Assistant Vice Chancellor-Computing Systems**
Haskin R. Pounds	**Assistant Vice Chancellor**
Robert M. Joiner	**Assistant Vice Chancellor-Communications**
Mrs. Hubert L. Harris	**Assistant Vice Chancellor-Personnel**
Harry H. Murphy, Jr.	**Director of Public Information**
C. C. Murray	**Director, Interinstitutional Programs in International Affairs**

Appendix B

Administration

President
William H. Moretz

President Emeritus
Edgar R. Pund

Provost
Robert A. Liebelt

Vice-President & Treasurer
James A. Blissit

Dean, School of Allied Health Sciences
Raymond C. Bard

Dean, School of Dentistry
Judson C. Hickey

Dean (Acting), School of Graduate Studies
Edward Bresnick

Dean, School of Medicine and Medical Director
Curtis H. Carter

Dean, School of Nursing
Dorothy T. White

Dean Emerita
Louise E. Grant

Director, Business Services
Donald C. Smith

Director, Division of Systems and Computer Services
J. B. Mathews

Comptroller
H. Alan Campbell

Comptroller Emeritus
Thomas N. Dwyer

Director (Acting), Division of Educational Research & Development
Robert A. Liebelt

Director, Division of Health Communications
James H. R. Sutherland

Director, Division of Health Systems Engineering
Harold E. Smalley

Administrator For Hospital & Clinics
Richard E. Gillock

Director, Division of Institutional Relations
James C. Austin

Librarian
Thomas G. Basler

Director, Personnel Division
John C. Evers

Director, Physical Plant Division
W. Clay Adamson, Jr.

Director, Procurement
Willard W. Prior

Director, Division of Student Affairs
James B. Puryear

Associate Director
Bernard J. Abbott
Assistant Director, Minority Student Affairs
James E. Pigler

Registrar
George M. Martin

Director of Women's Activities
Shirley K. Rodgers

Director of Financial Aid
David W. Johnson

MEDIHC Admissions Counselor
James McLeod

Educational Programs Specialist
Dennis Carringer

Coordinator of Undergraduate Admissions
Nelda Gunn

Admissions Counselor
Elizabeth Griffin

Appendix C

Faculty Listings

***Asterisk indicates Graduate Faculty appointment.**

Abbott, Don C., Assistant Clinical Professor, Neurology. Georgia Teachers' College, B.S.; Medical College of Georgia, M.D.

***Abdel-Latif, Ata A.,** Associate Professor, Cell and Molecular Biology. DePaul University, B.S., M.S.; Illinois Institute of Technology, Ph.D.

Abele, Donald C., Professor, Dermatology and Medicine. Central Methodist College, B.A.; Washington University Medical School, M.D.

Achord, James L., Associate Professor, Medicine. Emory Medical School, M.D.

Agee, Julia, Research Associate, Medicine. Furman University, B.A.; Medical College of Georgia, M.S.

Agostas, William N., Clinical Professor, Medicine. Augusta College; University of Georgia; Medical College of Georgia, M.D.

***Ahlquist, Raymond P.,** Professor and Chairman, Pharmacology. University of Washington, B.S., M.S., Ph.D.

Akamatsu, Yasuyuki, Assistant Professor, Pathology. Nara Medical College, M.D.; Osaka University, Ph.D.

Akroyd, Duane, Instructor, Oral Medicine. Broome Technical Community College, A.A.; Medical College of Georgia, B.S.

Allen, Candace, Instructor, Medical Record Administration. Medical College of Georgia, B.S.

***Allen, Lane H.,** Professor, Anatomy. University of Georgia, B.S., M.S.; Georgetown University, Ph.D.; Medical College of Georgia, M.D.

Allen, Marshall B., Jr., Professor and Chief, Surgery (Neurosurgery). University of Mississippi, B.A.; Harvard University, M.D.

Althisar, Henry M., Assistant Professor, Medicine. Medical College of Georgia, M.D.

Alvarez-Mena, Sergio C., Associate Clinical Professor, Medicine. LaSalle College, B.S.; Matanzas Institute, B.S.; Havanna School of Medicine, M.D.

Anderson, Ann S., Assistant Professor, Medical Technology. University of Georgia, B.S.; Medical College of Georgia, M.S.

Anderson, Frank P., Jr., Professor, Pediatrics and Community Medicine. Davidson College, B.S.; Medical College of South Carolina, M.D.

Anita, Darius E., Instructor, Pediatrics. Vikram University, M.B., B.S.; Vikram University School of Medicine, M.D.

Armour, Genevieve, Instructor, Maternal-Child Nursing. Montana State University, B.S.N.

Aseron, Cirilo, Assistant Professor, Radiology. University of Santo Tomas, Manilla, M.D.

Asokan, Sankaran K., Assistant Professor, Medicine. All India Institute of Medical Science, M.B.B.S.

Ault, Leilee P., Research Assistant to Dean and Professor, School of Nursing and School of Graduate Studies. University of Pennsylvania, B.S.N.E., M.S.

Aziz, Ezzat M., Assistant Professor, Pediatrics. W. Middlesex Hospital, London, England, D.C.H.; Shams University, Cairo, Egypt, M.B.

Baab, Beatrice S., Instructor, Physical Therapy. Sargent College-Boston University, B.S.

Badger, Walter L., Assistant Professor, Community Dentistry. University of Maryland, D.D.S.

Baell, Betty, Clinical Instructor, Physical Therapy. Sargent College-Boston University, B.S.

Bailey, Henry W., Clinical Instructor, Surgery. Medical College of Georgia, M.D.

Bailey, Joseph P., Jr., Associate Dean, Clinical Sciences. Professor, Medicine. Chief, Rheumatology. Mercer University, B.S.; Medical College of Georgia, M.D.

Bailey, Thomas E., Associate Clinical Professor, Pediatrics. Medical College of Georgia, M.D.

Baldwin, Patricia J., Instructor, Nursing. Medical College of Georgia, B.S.N., M.S.

*__Bard, Raymond C.,__ Professor, Cell and Molecular Biology. Dean, School of Allied Health Sciences. College of the City of New York, B.S.; Indiana University, M.A., Ph.D.

Barfield, William E., Assistant Professor, Obstetrics and Gynecology. The Citadel, B.S.; Emory University, M.D.

Barron, Edmund G., Assistant Clinical Professor, Community Dentistry. University of North Carolina, B.S., M.P.H.; Medical College of Virginia, D.D.S.

Barton, Betty, Research Associate, Pathology. University of South Carolina, M.S., B.S.

Basler, Thomas G., Associate Professor of Health Communications, The Librarian. University of Miami, B.Ed.; Florida State University, M.S.

Bates, Doris W., Assistant Clinical Professor, Dental Hygiene. Simmons College, B.S.; Boston University, M.S.

Battey, Louis L., Clinical Professor, Medicine. College of the Holy Cross, B.S.; Medical College of Georgia, M.D.

Bazemore, J. Malcolm, Clinical Professor Emeritus, Medicine. Medical College of Georgia, M.D.

Beasley, James L., Research Associate, Surgery.

Beaudreau, David E., Associate Dean, Curriculum (Dentistry). Professor, Restorative Dentistry. University of Washington, School of Dentistry, D.D.S.; University of Pennsylvania, Graduate School of Medicine, M.S.D.

Becton, James L., Assistant Clinical Professor (Orthopedics). Wake Forest College; B.S.; University of Minnesota, M.S.; Medical College of Georgia, M.D.

Beeson, C. Walker, Assistant Clinical Professor, Medicine. University of Georgia, B.S.; Medical College of Georgia, M.D.

Beglau, Donald, Assistant Professor, Restorative Dentistry. Mt. San Antone Junior College, A.A.; LaSierra College, B.A.; Loma Linda University School of Dentistry, D.D.S.

Benigno, Benedict B., Assistant Professor, Obstetrics and Gynecology. Iona College, B.S.; Georgetown University, M.D.

Bennett, James W., Professor, Pediatrics. Medical College of Georgia, M.D.

Bennett, Robert, Clinical Professor, Medicine. University of Minnesota, M.S.; University of Pittsburgh, B.S., M.D.

Benton, Edred C., Assistant Professor, Periodontics. Emory University, B.S.; Emory University School of Dentistry, D.D.S., M.S.D.

Berg, Edward W., Assistant Professor, Surgery (Orthopedics) and Assistant Professor, Dept. of Medicine (Rheumatology). University of Colorado, B.A., M.D.

Bergman, David B., Assistant Professor, Psychiatry. Harvard Medical School, M.D.

***Best, Gary K.,** Assistant Professor, Cell and Molecular Biology. Southwestern State College, B.S.; Oklahoma State University, Ph.D.

Bhatti, Nazir A., Assistant Professor, Surgery (Orthopedics). Government College, F.Sc.; King Edward Medical College, M.B.B.S.

Binon, Paul P., Assistant Professor, Restorative Dentistry. Creighton, D.D.S.; University of California (Los Angeles), A.A.; California State, B.S.; University of Indiana, M.S.D.

Bishop, Georgianne, Instructor (Social Service) Department of Surgery (Orthopedics). Woman's College of Georgia, A.B.; University of Chicago, M.A.

Bittle, C. Robert, Assistant Clinical Professor, Anesthesiology. Duke University; Bowman Gray School of Medicine, M.D.

***Black, Owen, Jr.,** Assistant Research Professor, Medicine and Cell and Molecular Biology. University of Oklahoma, B.S.; University of Oklahoma Medical Center, M.S., Ph.D.

Blackburn, David, Instructor, Radiologic Technology. Shorter College, B.S.; University of Tennessee, M.S.

Blackmon, Lillian R., Assistant Professor, Pediatrics. Ouachita Baptist University, B.A.; University of Arkansas School of Medicine. M.D.

Blalock, Harvey S., Instructor, Surgery (Orthopedics). Shorter College, A.B.; Medical College of Georgia, M.D.

Blanchard, Thomas W., Assistant Professor, Surgery (Urology). The Citadel, B.S.; Medical College of South Carolina, M.D.

Blevins, Keith S., Assistant Professor, Oral Surgery. Hope College, B.A.; Medical College of Virginia, School of Dentistry, D.D.S.

Blitch, Pierce G., Jr., Assistant Clinical Professor, Medicine. Emory University, A.B.; Medical College of Georgia, M.D.

Bliven, Floyd E., Jr., Professor, Surgery. Chief, Orthopedics. University of Rochester, A.B., M.D.

Blount, Latimer, Assistant Professor, Oral Medicine. Morehouse College, B.A.; Howard University, School of Dentistry, D.D.S.

Blunt, Michael, Associate Professor, Cell and Molecular Biology. Royal Veterinary College, M.R.C.V.S.; University of New England, Ph.D.

Bollet, Alfred Jay, Professor and Chairman, Medicine. New York University, B.S., M.D.

Botnick, Robert S., Assistant Clinical Professor, Medicine. Duke University, B.S.; Baylor Medical School, M.D.

Bowen, John B., Associate Clinical Professor, Surgery. Medical College of Georgia, M.D.

Bowers, Arden Lee, Assistant Professor, Distributive Nursing. Ohio State University, B.S., M.S.

Bowers, Irma W., Clinical Instructor, Medical Technology. North Georgia College, B.S.

Bowles, Lester L., Professor Emeritus of Anatomy. Franklin College, A.B., Indiana University, M.D.

Boyd, William S., Associate Clinical Professor, Obstetrics-Gynecology. University of Georgia, B.S.; Emory University, M.A.; Medical College of Georgia, M.D.

***Bragassa, Charles B.,** Assistant Professor, Division Systems & Computer Services. Texas A&M University, B.S., M.S., Ph.D.

Bramblett, Richard M., Assistant Professor, Health Systems Engineering, Assistant Director, Division of Systems & Computer Services. Georgia Institute of Technology, B.I.E., M.S.I.E.

Bransome, Edwin, Professor, Medicine; Chief of Metabolic and Endocrine Disease. Yale University, A.B.; University of Colorado, M.D.

***Bresnick, Edward,** Dean (Acting) School of Graduate Studies. Professor and Chairman, Cell and Molecular Biology. St. Peter's College, B.S.; Fordham University, M.S., PhD.

Bridges, Bertee, Assistant Professor, Nursing. Medical College of Georgia, B.S.N.; Indiana University, M.S.N.Ed.

Bridges, H. Benton, Clinical Instructor, Surgery (Orthopedics). Emory University, A.B.; Medical College of Georgia, M.D.

Bridges, Mercer T., Instructor, Surgery (Orthopedics) Furman University, B.A.; Columbia University, M.A.; Medical College of Georgia, M.D.

Bringhurst, Mark D., Assistant Professor, Pathology. University of Utah, B.S., M.S., Ph.D.

Brizel, Herbert, Professor and Chief, Radiation Therapy. Cornell University, A.B.; Northwestern University, M.D.

Brocato, Simone, Clinical Instructor, Medicine. Loyola University, B.S.; Tulane University, M.D.

Brooks, Bonnie M., Instructor, Occupational Therapy. Indiana University, B.S.

Brooks, Jack D., Assistant Professor, Community Dentistry. Indiana University, D.D.S.; Iowa University, M.S., M.A.

Bronstein, Edwin S., Associate Professor and Chief, Maternal Care and Family Planning. State University of New York, B.A.; University of California, Berkeley, M.P.H.; Downstate Medical Center of New York, M.D.

Brown, Allen, Assistant Professor, Community Medicine. Meharry Medical College, M.D.

Brown, Audrey K., Professor, Pediatrics. Barnard College, B.A.; Columbia University, M.A.; Columbia University College of Physicians and Surgeons, M.D.

Brown, Deedee H., RRA, Clinical Instructor, Medical Record Administration, Medical College of Georgia, B.S.

Brown, Jessie O., Instructor, Dental Hygiene and Community Dentistry. University of Alabama, R.D.H.; Medical College of Georgia, B.S.

Brown, Mark, Professor and Chairman, Radiology. Medical Director, Radiologic Technology. University of Miami, B.S.; Vanderbilt University, M.D.

Brown, Stephen W., Associate Clinical Professor, Radiology. Louisiana State University, B.S., M.D.

Brown, Walter J., Jr., Associate Professor, Medicine. Brown University, A.B.; University of Rhode Island, M.S.; Medical College of Georgia, M.D.

***Brownell, George H.,** Assistant Professor, Cell and Molecular Biology. University of Minnesota, B.A.; University of South Dakota, M.A., Ph.D.

Brownell, Julie P., Clinical Instructor, Medical Technology. University of South Dakota, B.A.

Brucker, Paul J., Assistant Professor and Director, Developmental Dental Studies. Associate Director of Health Communications. College of William and Mary, A.B.; Indiana University, M.S., Ed.D.

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